

# Broadband Coax

## MATV Cables

### Series 59

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 59 • 20 AWG** Solid .032" Bare Copper-covered Steel Conductor • Foil + Braid Shield (40% Coverage)

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>9275</b>	NEC: CATV CM	U-500	U-152.4	12.0	5.5	20 AWG (solid)	.144	3.66	Duofoil® + 40% Aluminum Braid	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.92		
		CEC: CM	U-1000 <sup>▲</sup>	U-304.8	23.0	10.4	.032"			BCCS							Sweep tested 5 MHz to 550 MHz.		
							44.5Ω/M'			17.0Ω/M'							146.0Ω/km		

<sup>▲</sup>U-1000 ft. put-up also available in White.

80°C	<b>9100</b>	NEC: CATV CM	U-500	U-152.4	12.0	5.5	20 AWG (solid)	.144	3.66	Duobond® II* + 40% Aluminum Braid	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.92		
		CEC: CM	U-1000 <sup>▲</sup>	U-304.8	23.0	10.4	.032"			BCCS							Sweep tested 5 MHz to 1 GHz.		
							44.5Ω/M'			17.0Ω/M'							146.0Ω/km		

<sup>▲</sup>U-1000 ft. put-up also available in White.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Broadband Coax

## CATV Cables

### Series 59

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**Series 59 • 20 AWG Solid .032" Bare Copper-covered Steel Conductor • Duobond® + Aluminum Braid(s) Shield (67% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>9104</b>	NEC: CATV CM CEC: CM	U-1000 <sup>▲</sup> 1000 <sup>▲</sup>	U-304.8 304.8	24.0 24.0	10.9 10.9	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duobond II* + 67% Aluminum Braid 12.0Ω/M' 39.4Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.92		
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<sup>▲</sup>U-1000 ft. put-ups also available in Beige and White.  
<sup>▲</sup>1000 ft. put-up available in Black only.

80°C	<b>9104N</b>	—	1000 <sup>*</sup>	304.8	24.0	10.9	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duobond II* + 67% Aluminum Braid 12.0Ω/M' 39.4Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.92		
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<sup>\*</sup>1000 ft. put-up also available in White.

**Plenum • Foam FEP Teflon® Insulation • Natural Flamarrest® Jacket**

75°C	<b>9104P</b>	NEC: CATVP CMP CEC: CMP	1000 <sup>†</sup>	304.8	24.0	10.9	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.140	3.56	Duobond II* + 67% Aluminum Braid 12.0Ω/M' 39.4Ω/km	.203	5.16	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.4 .8 1.8 2.6 3.8 5.6 7.6 8.8 9.4	1.3 2.6 5.9 8.5 12.5 18.4 24.9 28.9 30.8
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Sweep tested 5 MHz to 1 GHz.

**Gas-injected Foam High-Density Polyethylene Insulation • Black PVC Jacket**

Aerial 80°C	<b>9105M</b> <b>new</b>		1000	304.8	38.0	17.3	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duobond II* + 67% Aluminum Braid 12.0Ω/M' 39.4Ω/km	.240 x .387	6.10 x 9.83	75	83%	16.2	53.1	See Chart on page 6.92		
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Sweep tested 5 MHz to 1 GHz.

80°C	<b>9110</b>	NEC: CATV CM CEC: CM	U-1000 <sup>▲</sup>	U-304.8	24.0	10.9	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duobond III* + 67% Aluminum Braid 12.0Ω/M' 39.4Ω/km	.242	6.15	75	83%	16.2	53.1	See Chart on page 6.92		
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<sup>▲</sup>U-1000 ft. put-up available in White only.

Sweep tested 5 MHz to 1 GHz.

80°C	<b>1186A</b>	NEC: CATV CM CEC: CM	1000	304.8	27.0	12.3	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duobond IV* + 67% & 46% Aluminum Braids 7.0Ω/M' 23.0Ω/km	.265	6.73	75	83%	16.2	53.1	See Chart on page 6.92		
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Sweep tested 5 MHz to 1 GHz.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

Duobond III = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid(67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

<sup>†</sup>Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Broadband Coax

## CATV Cables

### Series 59


Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 59 • 20 AWG Solid .032" Bare Copper-covered Steel Conductor • Duofoil® (100% Coverage) + TC Braid Shield(s) (96% Coverage)**

**Plenum • Foam FEP Teflon® Insulation • Black FEP Jacket**

	200°C	<b>89108</b>	NEC:	500 <sup>†</sup>	152.4	17.0	7.7	20 AWG	.140	3.56	Duofoil	.203	5.16	75	82%	16.5	54.1	10	.7	2.3
			CATVP	1000 <sup>†</sup>	304.8	34.0	15.4	(solid)			+ 96%							50	1.8	5.9
			CMP					.032"			TC Braid							100	2.6	8.5
			CEC:					BCCS			2.6Ω/M'							200	3.7	12.1
			CMP					26.0Ω/M'			8.5Ω/km			Sweep tested 5 MHz to 400 MHz.				400	5.4	17.7
								85.3Ω/km										700	7.3	24.0
																		900	8.4	27.6
																	1000	8.9	29.2	

**Plenum • Foam FEP Teflon Insulation • Natural Flamarrest® Jacket**

	75°C	<b>82108</b>	NEC:	U-1000 <sup>†</sup>	U-304.8	34.0	15.4	20 AWG	.140	3.56	Duofoil	.202	5.13	75	82%	16.5	54.1	10	.8	2.6
			CATVP	1000 <sup>†</sup>	304.8	32.0	14.5	(solid)			+ 96%							50	1.8	5.9
			CMP					.032"			TC Braid							100	2.6	8.5
			CEC:					BCCS			2.6Ω/M'							200	3.7	12.1
			CMP FT6,					26.0Ω/M'			8.5Ω/km			Sweep tested 5 MHz to 400 MHz.				400	5.4	17.7
			CXC FT4					85.3Ω/km										700	7.3	24.0
																		900	8.4	27.6
																	1000	8.9	29.2	

**Plenum • Foam FEP Teflon Insulation • Snow Beige FEP Jacket**

	200°C	<b>1151A</b>	NEC:	1000 <sup>†</sup>	304.8	40.0	18.2	20 AWG	.140	3.56	(2) Duofoil	.236	5.99	75	84%	16.5	54.1	10	.8	2.6
			CMP					(solid)			Shields							50	1.8	5.9
			CEC:					.032"			+ (2) TC							100	2.6	8.5
			CMP FT6					BCCS			Braids							200	3.7	12.1
								26.0Ω/M'			2.3Ω/M'			Sweep tested 5 MHz to 400 MHz.				400	5.4	17.7
								85.3Ω/km			7.5Ω/km							700	7.3	24.0
																		900	8.4	27.6
																	1000	8.9	29.2	

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

<sup>†</sup>Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

# Broadband Coax

## CATV Cables


### Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (60% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

80°C	<b>9066</b>	—	1000	304.8	26.0	11.8	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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CoreGuard®


**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>9116</b>	NEC: U-500 <sup>▲</sup> CATV 500 <sup>▲</sup> CM S-700 CEC: U-1000 <sup>♦</sup> CM 1000 <sup>♦</sup>	U-1000	U-152.4	15.0	6.8	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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\*500 ft. and U-500 ft. put-ups also available in White.  
 ♦U-1000 ft. put-up also available in White, Neutral or Beige.  
 †1000 ft. put-up also available in White or Neutral.


80°C	<b>9116R</b>	NEC: U-1000 CATVR 1000 CMG CEC: CMG FT4	U-1000	U-304.8	33.0	15.0	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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80°C	<b>1545A</b>	NEC: CATV CM CEC: CM	1000	304.8	31.0	14.1	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92 Sweep tested 5 MHz to 1 GHz.		
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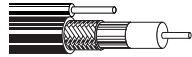
CoreGuard®

80°C	<b>9077</b>	NEC: CATV CM CEC: CM	1000	304.8	64.0	29.1	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270 x .590	6.86 x 14.99	75	83%	16.2	53.1	See Chart on page 6.92 Sweep tested 5 MHz to 1 GHz.		
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CoreGuard®

80°C	<b>9117M</b>	—	1000	304.8	44.0	20.0	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270 x .410	6.86 x 10.41	75	83%	16.2	53.1	See Chart on page 6.92		
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.051" (1.3mm) galvanized steel messenger.

80°C	<b>1258AM</b>	—	1000	304.8	42.0	19.1	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270 x .410	6.86 x 10.41	75	83%	16.2	53.1	See Chart on page 6.92 Sweep tested 5 MHz to 1 GHz.		
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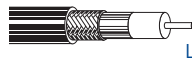


CoreGuard®

.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Black Low-Smoke, Zero-Halogen Jacket**


75°C	<b>9116SB</b> LSZH and ABS Type Approved <b>new</b>	NEC: CMG-LS CEC: CMG-LS FT4 Limited Smoke	1000	304.8	31.0	14.1	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.274	6.96	75	83%	16.2	53.1	See Chart on page 6.92 Sweep tested 5 MHz to 3 GHz.		
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CoreGuard®

**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

75°C	<b>9116P</b>	NEC: U-1000 CATVP 1000 CMP CEC: CMP FT6	U-1000	U-304.8	27.0	12.3	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.170	4.32	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.235	5.97	75	83%	16.3	53.5	1	.3	1.0
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CoreGuard®

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene  
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.  
 \*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).



# Broadband Coax

## CATV Cables

### Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (90% Coverage)**

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or Neutral)**

80°C	<b>1530A</b>	NEC: CATV CM CEC: CM	U-1000 <sup>▲</sup> 1000 <sup>▲</sup>	U-304.8 304.8	31.0 32.0	14.1 14.5	18 AWG (solid) .040"	.180	4.57	Duobond II* + 90% Aluminum Braid	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
							28.0Ω/M' 91.9Ω/km			5.0Ω/M' 16.4Ω/km									

▲1000 ft. and U-1000 ft. put-ups also available in White Neutral.

**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

75°C	<b>1530AP</b>	NEC: CATVP CMP CEC: CMP FT6	1000	304.8	31.0	14.1	18 AWG (solid) .040"	.170	4.32	Duobond II* + 90% Aluminum Braid	.235	5.97	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.3 5.3 7.2 9.8 15.1 21.7 25.3 26.9
							28.0Ω/M' 91.9Ω/km			5.0Ω/M' 16.4Ω/km			Sweep tested 5 MHz to 1 GHz.						

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>1531AM</b>	—	1000	304.8	45.0	20.4	18 AWG (solid) .040"	.180	4.57	Duobond II* + 90% Aluminum Braid	.270 x .410	6.86 x 10.41	75	83%	16.2	53.1	See Chart on page 6.92		
							28.0Ω/M' 91.9Ω/km			5.0Ω/M' 16.4Ω/km			Sweep tested 5 MHz to 1 GHz.						

.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

Burial 80°C	<b>1532A</b>	—	1000	304.8	27.0	12.3	18 AWG (solid) .040"	.180	4.57	Duobond II* + 90% Aluminum Braid	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
							28.0Ω/M' 91.9Ω/km			5.0Ω/M' 16.4Ω/km			Sweep tested 5 MHz to 1 GHz.						

CoreGuard®

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Broadband Coax

## CATV Cables

### Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® III + Aluminum Braid Shield (60% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>9118</b>	NEC: CATV CM CEC: CM	U-1000 <sup>▲</sup> 1000	U-304.8 304.8	30.0 30.0	13.6 13.6	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond III* + 60% Aluminum Braid 6.5Ω/M' 21.3Ω/km	.278 x	7.06 x	75	83%	16.2	53.1	See Chart on page 6.92		
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▲U-1000 ft. put-up also available in Beige, White and White Neutral.

80°C	<b>9119M</b>	—	1000	304.8	43.0	19.5	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond III* + 60% Aluminum Braid 6.5Ω/M' 21.3Ω/km	.275 x	6.99 x	75	83%	16.2	53.1	See Chart on page 6.92		
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.051" (1.3mm) galvanized steel messenger.

80°C	<b>1546A</b>	NEC: CATV CM CEC: CM	U-1000	U-304.8	31.0	14.1	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond III* + 60% Aluminum Braid 6.5Ω/M' 21.3Ω/km	.278	7.06	75	83%	16.2	53.1	See Chart on page 6.92		
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CoreGuard®

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

Burial 80°C	<b>1837A</b>	—	1000	304.8	26.0	11.8	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond III* + 60% Aluminum Braid 6.5Ω/M' 21.3Ω/km	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
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CoreGuard®

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Bonded Beldfoil® + Aluminum Braid Shield (50% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>5339G5</b> <small>new</small>	NEC: CATV, CMG CEC: CMG FT4	U-1000 1000	U-304.8 304.8	24.0 24.0	10.9 10.9	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Bonded Beldfoil + 50% AL Braid 15.0Ω/M' 49.2Ω/km	.253	6.43	75	83%	16.2	53.1	See Chart on page 6.92		
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AL = Aluminum • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond III = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

# Broadband Coax

## CATV Cables

### Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor(s) • Duobond® III + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>1613A</b>	NEC: B-700 <sup>▲</sup> CATV U-1000 <sup>▲</sup> CM 1000 CEC: U-304.8 CM 304.8	B-213.0	19.6	8.9	18 AWG (solid) .040"	.180	4.57	Duobond III* + 77% Aluminum Braid	.278	7.06	75	83%	16.2	53.1	See Chart on page 6.92		
			U-304.8	31.0	14.1	28.0Ω/M' 91.9Ω/km			5.6Ω/M' 18.4Ω/km									

<sup>▲</sup>B-700 also available in White. U-1000 ft. also available in White and White Neutral.

80°C	<b>1615AM</b>	—	1000	304.8	44.0	20.0	18 AWG (solid) .040"	.180	4.57	Duobond III* + 77% Aluminum Braid	.275 x	6.99 x	75	83%	16.2	53.1	See Chart on page 6.92		
							28.0Ω/M' 91.9Ω/km			.416	10.57								

Sweep tested 5 MHz to 1 GHz.

.051" (1.3mm) galvanized steel messenger.

80°C	<b>1616AM</b>	—	1000	304.8	45.0	20.4	18 AWG (solid) .040"	.180	4.57	Duobond III* + 77% Aluminum Braid	.275 x	6.99 x	75	83%	16.2	53.1	See Chart on page 6.92		
							28.0Ω/M' 91.9Ω/km			.416	10.57								

CoreGuard®  
Min. bend radius for minor axis only.

.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

<b>Burial</b> 80°C	<b>1614A</b>	—	1000	304.8	27.0	12.3	18 AWG (solid) .040"	.180	4.57	Duobond III* + 77% Aluminum Braid	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
							28.0Ω/M' 91.9Ω/km			5.6Ω/M' 18.4Ω/km									

CoreGuard®

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond III = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

# Broadband Coax

## CATV Cables Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor(s) • Duobond Plus® + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

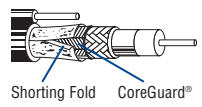
80°C	<b>9058</b>	NEC: CATV CM CEC: CM	U-1000*	U-304.8	32.0	14.5	18 AWG (solid) .040"	.180	4.57	Duobond Plus* + 77% Aluminum Braid	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
			1000	304.8	31.0	14.1	28.0Ω/M' 91.9Ω/km			Aluminum Braid							Sweep tested 5 MHz to 1 GHz.		



\*U-1000 ft. put-up also available in White or Beige.

**Aerial 80°C 9059M new**

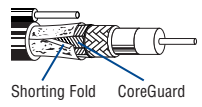
80°C	<b>9059M</b>	—	1000	304.8	43.0	19.5	18 AWG (solid) .040"	.180	4.57	Duobond Plus* + 77% Aluminum Braid	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
							28.0Ω/M' 91.9Ω/km			Aluminum Braid	.416	10.57					Sweep tested 5 MHz to 1 GHz.		



.051" (1.3mm) galvanized steel messenger.

**Burial 80°C 1260AM**

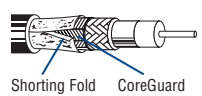
80°C	<b>1260AM</b>	—	1000	304.8	44.0	20.0	18 AWG (solid) .040"	.180	4.57	Duobond Plus* + 77% Aluminum Braid	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
							28.0Ω/M' 91.9Ω/km			Aluminum Braid	.416	10.57					Sweep tested 5 MHz to 1 GHz.		



.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or Orange)**

80°C	<b>9062</b>	—	1000	304.8	27.0	12.3	18 AWG (solid) .040"	.180	4.57	Duobond Plus* + 77% Aluminum Braid	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
							28.0Ω/M' 91.9Ω/km			Aluminum Braid							Sweep tested 5 MHz to 1 GHz.		



BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond Plus = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + shorting fold.



# Broadband Coax

## CATV Cables

### Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (60% and 40% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>1191AM</b>	—	1000	304.8	46.0	20.9	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond IV* 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.298 x .433	7.57 x 11.00	75	83%	16.2	53.1	See Chart on page 6.92		
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.051" (1.3mm) galvanized steel messenger.

80°C	<b>1322R</b> <small>NEW</small>	NEC: U-1000 CATVR, 1000 CMR CEC: CMG FT4	U-1000	U-304.8	41.0	18.6	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond IV* 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.298	7.57	75	83%	16.2	53.1	5 55 500 750 1000 1450 1800 3000	.5 1.4 4.1 5.1 6.0 7.4 8.3 10.5	1.6 4.6 13.5 16.7 19.7 24.3 27.2 34.5
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**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or White)**

80°C	<b>1189A</b>	NEC: U-500 CATV U-1000 CM 1000 <sup>▲</sup> CEC: CM	U-152.4	18.0	8.2	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond IV* 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.298	7.57	75	83%	16.2	53.1	See Chart on page 6.92		
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<sup>▲</sup>1000 ft. put-up also available in Beige or White Neutral.

**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

75°C	<b>1189AP</b>	NEC: CATVP CMP CEC: CMP FT6	1000	304.8	32.0	14.5	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duobond IV* 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.248	6.30	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.2 5.3 7.2 9.8 15.1 21.7 25.3 26.9
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BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond IV = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

# Broadband Coax

## CATV Cables

### Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**Series 6 • 18 AWG** Solid .040" Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (60% and 40% Coverage)

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket with CoreGuard® (Black or Orange)**

Burial 80°C	1190A	—	1000	304.8	31.0	14.1	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond IV* 60% + 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.298	7.57	75	83%	16.2	53.1	See Chart on page 6.92		



CoreGuard®

**Series 6 • 18 AWG** Solid .040" Bare Copper-covered Steel Conductor • Duofoil® (100% Coverage) + TC Braid Shield (95% Coverage)

**Plenum • Foam FEP Insulation • Black FEP Jacket**

200°C	89120	NEC: CATVP CMP CEC: CMP FT6	500	152.4	21.5	9.8	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duofoil 95% TC Braid 1.7Ω/M' 5.6Ω/km	.234	5.94	75	82%	16.5	54.1	1	.3	1.0
			1000	304.8	46.0	20.9											10	.7	2.2



**Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket**

150°C	87120	NEC: CATVP CMP CEC: CMP FT6, CXC FT4	500	152.4	20.5	9.3	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duofoil 95% TC Braid 1.7Ω/M' 5.6Ω/km	.234	5.94	75	82%	16.5	54.1	1	.3	1.0
			1000	304.8	45.0	20.4											10	.7	2.2



**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

75°C	82120	NEC: CATVP CMP CEC: CMP FT6	1000	304.8	44.0	20.0	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duofoil 95% TC Braid 1.7Ω/M' 5.6Ω/km	.234	5.94	75	82%	16.5	54.1	1	.3	1.0
																	10	.7	2.2



**Series 6 • 18 AWG** Solid .040" BCCS Conductor • Duofoil (100% Coverage) + TC Braid Shield (60% and 40% Coverage)

**Plenum • Foam FEP Insulation • Snow Beige FEP Jacket**

200°C	1152A	NEC: CMP CEC: CMP FT6	500	152.4	27.5	12.5	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	(2) Duofoil Shields + (2) TC Braids 1.8Ω/M' 5.9Ω/km	.273	6.93	75	82%	16.5	54.1	1	.3	1.0
			1000	304.8	53.0	24.1											10	.7	2.2



BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

# Broadband Coax


## CATV Cables

### Series 11

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**Series 11 • 14 AWG Solid .064" BCCS Conductor • Duofoil® (100% Coverage) + Aluminum Braid Shield (40% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

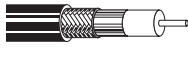
80°C	<b>9011</b>	—	1000	304.8	66.0	29.9	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duofoil + 40% Aluminum Braid 5.3Ω/M' 17.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
																			
Sweep tested 5 MHz to 1 GHz.																			


**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (60% Coverage)**

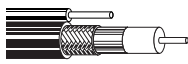
**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>1523A</b>	NEC: CATV CM CEC: CM	1000 <sup>▲</sup>	304.8	67.0	30.4	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond II* + 60% Aluminum Braid 4.1Ω/M' 13.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
																			
Sweep tested 5 MHz to 1 GHz.																			

<sup>▲</sup>1000 ft. put-up also available in White.

80°C	<b>1523AN</b>	—	1000	304.8	68.0	30.9	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond II* + 60% Aluminum Braid 4.1Ω/M' 13.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
																			
Sweep tested 5 MHz to 1 GHz.																			

80°C	<b>1523R</b>	NEC: CATVR CMR CEC: CMR	500 1000	152.4 304.8	35.0 70.0	15.9 31.8	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond II* + 60% Aluminum Braid 4.1Ω/M' 13.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
																			
Sweep tested 5 MHz to 1 GHz.																			

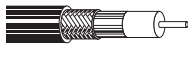
<b>Aerial</b> 80°C	<b>1524AM</b>	—	1000	304.8	90.0	40.8	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond II* + 60% Aluminum Braid 4.1Ω/M' 13.4Ω/km	.400 x .580	10.16 x 14.73	75	83%	16.2	53.1	See Chart on page 6.92		
																			
Sweep tested 5 MHz to 1 GHz.																			

.072" (1.83mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Available in Black or Orange)**

<b>Burial</b> 80°C	<b>1525A</b>	—	1000	304.8	60.0	27.3	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond II* + 60% Aluminum Braid 4.1Ω/M' 13.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
																			
Sweep tested 5 MHz to 1 GHz.																			

**Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket**

150°C	<b>1523AP</b>	NEC: CATVP CMP CEC: CMP	1000	304.8	62.0	28.2	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.274	6.96	Duobond II* + 60% Aluminum Braid 4.1Ω/M' 13.4Ω/km	.348	8.84	75	83%	16.3	53.5	1	2	.6																							
																																										
Sweep tested 5 MHz to 1 GHz.																																										
<table border="0"> <tr> <td>10</td> <td>4</td> <td>1.3</td> </tr> <tr> <td>50</td> <td>1.0</td> <td>3.3</td> </tr> <tr> <td>100</td> <td>1.4</td> <td>4.6</td> </tr> <tr> <td>200</td> <td>2.3</td> <td>7.5</td> </tr> <tr> <td>400</td> <td>3.7</td> <td>12.1</td> </tr> <tr> <td>700</td> <td>5.3</td> <td>17.4</td> </tr> <tr> <td>900</td> <td>6.4</td> <td>21.0</td> </tr> <tr> <td>1000</td> <td>6.9</td> <td>22.6</td> </tr> </table>																			10	4	1.3	50	1.0	3.3	100	1.4	4.6	200	2.3	7.5	400	3.7	12.1	700	5.3	17.4	900	6.4	21.0	1000	6.9	22.6
10	4	1.3																																								
50	1.0	3.3																																								
100	1.4	4.6																																								
200	2.3	7.5																																								
400	3.7	12.1																																								
700	5.3	17.4																																								
900	6.4	21.0																																								
1000	6.9	22.6																																								

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Broadband Coax

## CATV Cables Series 11

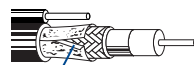
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond Plus® + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>9064</b>	NEC: CATV CM CEC: CM	1000	304.8	68.0	30.9	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond Plus* + 77% Aluminum Braid 3.8Ω/M' 12.5Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
 <p>Shorting Fold</p>																			
Sweep tested 5 MHz to 1 GHz.																			

**Aerial 80°C 9065M**

80°C	<b>9065M</b>	—	1000	304.8	86.0	39.0	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond Plus* + 77% Aluminum Braid 3.8Ω/M' 12.5Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
 <p>Shorting Fold</p>																			
.072" (1.8mm) galvanized steel messenger.																			
Sweep tested 5 MHz to 1 GHz.																			

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

Burial 80°C	<b>9764</b>	—	1000	304.8	60.0	27.2	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond Plus* + 77% Aluminum Braid 3.8Ω/M' 12.5Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
 <p>Shorting Fold</p>																			
Sweep tested 5 MHz to 1 GHz.																			

**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond® III + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

Aerial 80°C	<b>7983A</b> <small>new</small>	—	1000	304.8	89.0	40.4	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond III* + 77% Aluminum Braid 4.0Ω/M' 13.1Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
 <p>CoreGuard®</p>																			
.072" (1.8mm) galvanized steel messenger.																			
Sweep tested 5 MHz to 1 GHz.																			

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

Burial 80°C	<b>7984A</b> <small>new</small>	—	1000	304.8	57.0	25.9	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond III* + 77% Aluminum Braid 4.0Ω/M' 13.1Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
 <p>CoreGuard</p>																			
Sweep tested 5 MHz to 1 GHz.																			

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond Plus = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + shorting fold.

Duobond III = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

# Broadband Coax

## CATV Cables


### Series 11

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (60% and 40% Coverage)**

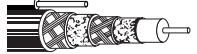
**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>1617A</b>	NEC: CATV CM CEC: CM	1000	304.8	67.0	30.5	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M' 9.8Ω/km	.407	10.34	75	83%	16.2	53.1	See Chart on page 6.92		
										Sweep tested 5 MHz to 1 GHz.									




80°C	<b>1619AM</b>	—	1000	304.8	84.0	38.2	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M' 9.8Ω/km	.407 x .560	10.34 x 14.22	75	83%	16.2	53.1	See Chart on page 6.92		
										Sweep tested 5 MHz to 1 GHz.									

.072" (1.8mm) galvanized steel messenger.



80°C	<b>1620AM</b>	—	1000	304.8	87.0	39.5	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M' 9.8Ω/km	.407 x .560	10.34 x 14.22	75	83%	16.2	53.1	See Chart on page 6.92		
										Sweep tested 5 MHz to 1 GHz.									


CoreGuard®  
.072" (1.8mm) galvanized steel messenger.



**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

Burial 80°C	<b>1618A</b>	—	1000	304.8	61.0	27.7	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M' 9.8Ω/km	.407	10.34	75	83%	16.2	53.1	See Chart on page 6.92		
										Sweep tested 5 MHz to 1 GHz.									


CoreGuard®



**Series 11 • 14 AWG Solid .064" BCCS Conductors • Duofoil® (100% Coverage) + TC Braid Shields (60% and 40% Coverage)**

**Plenum • Foam FEP Teflon Insulation • Snow Beige FEP Jacket**

200°C	<b>1153A</b>	NEC: CMP CL2P CEC: CMP FT6	500 1000	152.4 304.8	52.5 106.0	23.9 48.2	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	(2) Duofoil Shields + (2) TC BCCS 1.8Ω/M' 5.9Ω/km	.387	9.83	75	82%	16.2	53.1	1 10 50 100 200 400 700 900 1000	.2 .4 1.2 1.7 2.5 3.5 4.6 5.3 5.6	.7 1.3 3.9 5.6 8.2 11.5 15.1 17.4 18.4
										Sweep tested 5 MHz to 400 MHz.									



BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\* Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Broadband Coax

## Headend/Video Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**RG-59/U Type • 20 AWG** Solid .032" SPCCS Conductor • Duobond Plus® + Aluminum Braid Shield (95% Coverage)

**Gas-injected Foam Polyethylene Insulation • PVC Jacket** (Available in 13 colors)\*

80°C	<b>9167</b>	NEC: CATVR CMR CEC: CMG FT4	1000	304.8	27.0	12.3	20 AWG (solid) .032" SPCCS 25.8Ω/M' 84.6Ω/km	.144	3.66	Duobond Plus* + 95% Aluminum Braid 4.5Ω/M' 14.8Ω/km	.242	6.15	75	83%	16.2	53.1	See Chart on page 6.92		
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\*Available in Black, Gray, White, Red, Blue, Yellow, Brown, Orange, Green, Purple, Beige, Pink or Aqua.

**RG-59/U Type • 20 AWG** Solid .032" Bare Copper • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

**Gas-injected Foam HDPE Insulation • PVC Jacket** (Available in 10 colors)\*\*

SDI/HDTV Digital Video 75°C	<b>1505A</b>	NEC: 500▲ CMR: 1000 CEC: 5000• CMG FT4	152.4	152.4	15.5	7.0	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.145	3.68	Duofoil + 95% TC Braid 3.8Ω/M' 12.5Ω/km	.233	5.92	75	83%	16.3	53.5	1	.3	1.0
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For Plenum version of 1505A, see 1506A.  
Also available in bundled versions. See 7794A through 7798A.

																	3.6	.6	1.8
																	5	.6	2.1
																	7	.7	2.4
																	10	.9	2.9
																	67.5	2.1	6.7
																	71.5	2.1	6.9
																	88.5	2.2	7.2
																	100	2.3	7.6
																	135	2.7	8.9
																	143	2.8	9.2
																	180	3.1	10.2
																	270	3.8	12.5
																	360	4.4	14.4
																	540	5.5	18.0
																	720	6.4	21.0
																	750	6.5	21.3
																	1000	7.6	24.9
																	1500	9.3	30.5
																	2000	10.9	30.5
																	2250	11.6	38.0
																	3000	13.4	44.0

\*500 ft. put-up available in Black, Red or Blue only.

\*5000 ft. put-up may vary -0% to 10%.

\*\*1000 ft. and 5000 ft. put-ups available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

**RG-59/U Type • 22 AWG** Stranded (7x29) .031" Bare Compacted Copper Conductor<sup>†</sup> • TC/BC Double Braid Shield (95% Coverage)

**Gas-injected Foam HDPE Insulation • PVC Jacket** (Matte Black, Red, Green, Blue, Yellow, White, Purple or Orange)

High-Flex SDI/HDTV Video Patch 75°C	<b>1505F</b>	NEC: CM CEC: CM	1000	304.8	45.0	20.4	22 AWG (7x29) .031" BCC 12.2Ω/M' 40.0Ω/km	.145	3.68	TC Double Braid 94% Shield Coverage 2.4Ω/M' 7.8Ω/km	.242	6.15	75	80%	17.0	55.7	1	.2	.7
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																	3.6	.5	1.6
																	5	.6	2.0
																	7	.7	2.4
																	10	.9	2.9
																	67.5	2.4	7.9
																	71.5	2.5	8.2
																	88.5	2.8	9.2
																	100	3.0	9.8
																	135	3.5	11.5
																	143	3.6	11.8
																	180	4.1	13.5
																	270	5.1	16.7
																	360	6.0	19.7
																	540	7.4	24.3
																	720	8.7	28.5
																	750	8.9	29.2
																	1000	10.5	34.4
																	1500	13.3	43.6
																	2000	15.7	51.5
																	2250	16.9	55.4
																	3000	20.3	66.6

<sup>†</sup>Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • SPCCS = Silver-plated, Copper-covered Steel • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

\*Duobond Plus = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + shorting fold.


# Broadband Coax

## Headend/Video Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m


**RG-59/U Type • 20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

**Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Light Blue, White, Orange or Black)**

80°C	<b>8281</b>	—	500 <sup>▲</sup>	152.4	37.5	17.0	20 AWG (solid) .031"	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
			1000	304.8	74.0	33.6											3.6	.5	1.6
							9.9Ω/M'			98% Shield Coverage			For Plenum version of 8281, see 88281.			10.0	.8	2.6	
							32.5Ω/km				71.5	2.1		6.9					
											135	3.0		9.8					
											270	4.3		14.1					
											360	5.1		16.7					
											540	6.3		20.7					
											720	7.4		24.3					
											750	7.6		24.9					
											1000	9.2		30.2					

<sup>▲</sup>500 ft. put-up not available in White.  
Max operating voltage — Non UL 2900V RMS


**Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 9 colors)\***

UL AWM Style 1354 (30V 80°C)	<b>8281B</b>	NEC: CMR CEC: CMG FT4	1000	304.8	84.0	38.1	20 AWG (solid) .031"	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
				9.9Ω/M'													3.6	.5	1.6
							32.5Ω/km			98% Shield Coverage			For Plenum version of 8281B, see 88281.			10.0	.8	2.6	
											71.5	2.1		6.9					
											135	3.0		9.8					
											270	4.4		14.4					
											360	5.1		16.7					
											540	6.6		21.7					
											720	7.8		25.6					
											750	8.0		26.2					
											1000	10.2		33.5					

\*8281B available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.

**22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor\* • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

**Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black)**

High-Flex 60°C	<b>8281F</b>	—	500 <sup>▲</sup>	152.4	34.5	15.7	22 AWG (7x29) .031"	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	.9
			1000	304.8	67.0	30.4											3.6	.5	1.7
							12.2Ω/M'			98% Shield Coverage						10.0	.9	3.0	
							40.0Ω/km				71.5	2.5		8.2					
											135	3.6		11.8					
											270	5.1		16.7					
											360	6.0		19.7					
											540	7.4		24.3					
											720	8.7		28.5					
											750	8.9		29.2					
											1000	10.5		34.5					

<sup>▲</sup>500 ft. put-up available in Black only.  
Max operating voltage — Non UL 2900V RMS  
\*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • SPC = Silver-plated Copper • SPCCS = Silver-plated, Copper-covered Steel • TC = Tinned Copper  
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.


# DBS Cable

## Series 6


Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**Series 6 • 18 AWG** Solid .040" Bare Copper or Bare Copper-covered Steel Conductor (see below) • Duobond® II + Aluminum Braid Shield (60% Coverage)


### Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black, Gray, White or Neutral)

80°C 	<b>1829A</b>	NEC:	U-1000†	U-304.8	29.0	13.2	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5	.5	1.6
		CATV CM	1000†	304.8	29.0	13.2											55	1.4	4.6
		CEC:															211	2.6	8.5
		CM															500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																	1450	7.8	25.6
																	1800	8.6	28.2
																	2250	9.8	32.2

†Final put-up length may vary ±10% for spools, ±5% for unreel cartons.


80°C 	<b>1829AC</b>	NEC:	U-1000 <sup>▲</sup>	U-304.8	27.0	12.3	18 AWG (solid) .040" BCAC 6.4Ω/M' 21.0Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5	.5	1.6
		CATV CM	1000 <sup>▲</sup>	304.8	27.0	12.3											55	1.4	4.6
		CEC:															211	2.6	8.5
		CM															500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																	1450	7.8	25.6
																	1800	8.6	28.2
																	2250	9.8	32.2

<sup>▲</sup>U-1000 ft. put-up available in Black, White or Gray only. 1000 ft. available in White or Black only.


80°C 	<b>1829R</b> <small>new</small>	NEC:	U-1000*	U-304.8	29.0	13.2	18 AWG (solid) .040" BCCS 28.0Ω/M' 21.0Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5	.5	1.6
		CATVR, CMR															55	1.4	4.6
		CEC:															211	2.6	8.5
		CMG FT4															500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																	1450	7.8	25.6
																	1800	8.6	28.2
																	2250	9.8	32.2

\*U-1000 ft. put-up not available in Neutral.

### Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket


Burial 80°C 	<b>1829B</b>	—	1000	304.8	26.0	11.8	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5	.5	1.6
																	55	1.4	4.6
																	211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																	1450	7.8	25.6
																	1800	8.6	28.2
																	2250	9.8	32.2

CoreGuard®

Burial 80°C 	<b>1829BC</b>	—	1000	304.8	27.0	12.3	18 AWG (solid) .040" BCAC 6.4Ω/M' 21.0Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5	.5	1.6
																	55	1.4	4.6
																	211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																	1450	7.8	25.6
																	1800	8.6	28.2
																	2250	9.8	32.2

CoreGuard®

### Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C 	<b>1829P</b> <small>new</small>	NEC:	U-1000	U-304.8	27.0	12.3	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.235	5.97	75	83%	16.3	53.4	1	.3	1.0
		CATVP, CMP	1000	304.8	27.0	12.3											10	.7	2.2
		CEC:															50	1.5	4.9
		CMP FT6															100	2.1	6.9
																	200	3.0	9.8
																	400	4.4	14.4
																	700	6.1	20.0
																	900	7.2	23.6
																	1000	7.6	24.9
																	1450	9.6	31.5

BC = Bare Copper • BCAC = Bare Copper Anti-corrosion • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).



# DBS Cable

## Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 6 • 18 AWG Solid .040" Bare Copper or Bare Copper-covered Steel Conductor (see below) • Duobond® II + AL Braid Shield (60% Coverage) (cont'd)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

80°C	<b>1839A</b>	—	1000	304.8	40.0	18.1	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.270 x .405	6.86 x 10.29	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2
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.045" (1.14mm) copper-covered steel, static ground.

80°C	<b>1840A</b>	—	500 1000	152.4 304.8	37.5 74.0	17.0 33.6	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.273 x .703	6.93 x 17.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2
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.045" (1.14mm) copper-covered steel static ground.

80°C	<b>1841A</b>	NEC: CATV CM CEC: CM	1000	304.8	66.0	30.0	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.273 x .595	6.93 x 15.11	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2
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**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black, Gray or White)**

80°C	<b>1839AC</b>	—	1000 <sup>▲</sup>	304.8	44.0	20.0	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.270 x .405	6.86 x 10.29	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8 11.3	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2 37.1
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<sup>▲</sup>1000 ft. put-up not available in White.  
.045" (1.14mm) copper-covered steel static ground.

80°C	<b>1840AC</b>	—	500	152.4	38.0	17.2	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.273 x .703	6.93 x 17.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8 11.3	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2 37.1
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.045" (1.14mm) copper-covered steel static ground.

80°C	<b>1841AC</b>	NEC: CATV CM CEC: CM	500	152.4	32.5	14.7	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum	.273 x .595	6.93 x 15.11	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8 11.3	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2 37.1
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AL = Aluminum • BC = Bare Copper • BCAC = Bare Copper Anti-corrosion • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

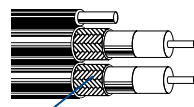
# DBS Cable

## Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (60% Coverage)**


**Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket**

 <p>CoreGuard®</p>	<b>Burial</b>	<b>1843A</b>	—	1000	304.8	64.0	29.1	18 AWG (solid)	.180	4.57	Duobond II* + 60% Aluminum Braid	.273 X .750	6.93 X 19.05	75	83%	16.2	53.1	5	.5	1.6	
	80°C							.040"										55	1.4	4.6	
								28.0Ω/M'											211	2.6	8.5
								91.9Ω/km											500	4.1	13.5
																			750	5.1	16.7
																			862	5.5	18.0
																			1000	6.0	19.7
																			1450	7.8	25.6
																			1800	8.6	28.2
																			2250	9.8	32.2

.045" (1.14mm) copper-covered steel static ground.  
Suitable for Outdoor and Direct Burial applications.

**HDTV Series 6 • 18 AWG Solid .040" Bare Copper Conductor • Duobond + Aluminum Braid Shields (77% and 80% Coverage)**


**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black or White)**

 <p>Shorting Fold</p>	80°C	<b>7915A</b>	NEC: U-500	U-152.4	16.5	7.5	18 AWG (solid)	.180	4.57	Duobond Plus**	.275	6.99	75	83%	16.2	53.1	5	.5	1.6	
			CATV CM	500	152.4	18.0	8.2	.040"			77% & 80%							55	1.4	4.6
			CEC: U-1000	U-304.8	32.0	14.5					Aluminum Braids							211	2.6	8.5
			CM	1000	304.8	32.0	14.5	6.4Ω/M'			4.6Ω/M'							500	4.1	13.5
								21.0Ω/km			15.1Ω/km							750	5.1	16.7
																		862	5.5	18.0
																		1000	6.0	19.7
																		1450	7.8	25.6
																		1800	8.6	28.2
																		2250	9.8	32.2

Sweep tested 950 MHz to 2.25 GHz.

**Series 6 • 18 AWG Solid .040" Bare Copper Conductor • Duobond + Aluminum Braid Shields (60% and 40% Coverage)**

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black or White)**

		<b>7916A</b>	NEC: U-500	U-152.4	18.5	8.4	18 AWG (solid)	.180	4.57	Duobond IV*	.298	7.57	75	83%	16.2	53.1	5	.5	1.6	
			CATV CM	500	152.4	19.5	8.9	.040"			60% & 40%							55	1.4	4.6
			CEC: U-1000	U-304.8	36.0	16.3					Aluminum Braids							211	2.6	8.5
			CM	1000	304.8	35.0	15.9	6.4Ω/M'			4.8Ω/M'							500	4.1	13.5
								21.0Ω/km			15.7Ω/km							750	5.1	16.7
																		862	5.5	18.0
																		1000	6.0	19.7
																		1450	7.8	25.6
																		1800	8.6	28.2
																		2250	9.8	32.2

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

Duobond Plus = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + shorting fold.

Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

# Standard Analog Video Cable

## 75 Ohm Miniature Coax



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**30 AWG** Stranded (7x38) .012" Tinned Copper Conductor • Tinned Copper Braid Shield (89% Coverage)

Foam HDPE Insulation • Black PVC Jacket																			
UL AWM	<b>9221</b>	—	100	30.5	1.5	.7	30 AWG	.058	1.47	TC Braid	.097	2.46	75	78%	17.3	56.8	1	.7	2.3
Style 1375			U-500	U-152.4	4.0	1.8	(7x38)			89% Shield							3.6	1.3	4.3
(30V 60°C)			500	152.4	4.0	1.8	.012"			Coverage							4	1.3	4.3
							TC			11.7Ω/M'							5	1.6	5.2
							100.0Ω/M'			38.4Ω/km							7	1.9	6.2
							328.0Ω/km										9	2.1	6.9
																	10	2.2	7.2
																	50	5.1	16.7
																	70	6.1	20.0
																	100	7.3	23.9
																	200	10.5	34.4
																	400	15.5	50.9
																	700	21.5	70.5
																	900	24.8	81.4
																	1000	26.6	87.3

**27 AWG** Stranded (7x35) .017" Bare Copper-covered Steel Conductor • Tinned Copper Braid Shield (93% Coverage)

Polyethylene Insulation • Black PVC Jacket																			
UL AWM	<b>8218</b>	—	U-500	U-152.4	8.5	3.8	27 AWG	.100	2.54	TC Braid	.150	3.81	75	66%	20.5	67.3	1	1.2	3.9
Style 1354			500	152.4	8.0	3.6	(7x35)			93% Shield							10	2.4	7.9
(30V 60°C)			U-1000	U-304.8	16.0	7.3	.017"			Coverage							50	4.2	13.8
			1000	304.8	14.0	6.4	BCCS			5.7Ω/M'							100	5.7	18.7
							120.0Ω/M'			18.7Ω/km							200	8.3	27.2
							393.7Ω/km										400	12.1	39.7
																	700	16.5	54.1
																	900	19.0	62.3
																	1000	20.0	65.6

**Miniature • 25 AWG** Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • Black PVC Jacket																				
UL AWM	<b>1281R</b>	new	1	1000	304.8	8.0	3.6	25 AWG	.074	1.88	Duobond (100%)	.114	2.90	75	80%	17.0	55.8	1	.5	1.7
								(solid)			+ 95%							5	1.2	3.8
								.018"			TC Braid							50	3.7	12.1
								TC			5.4Ω/M'							100	4.9	16.1
								34.0Ω/M'			17.7Ω/km							200	6.7	22.0
								111.6Ω/km										400	9.5	31.2
																		700	13.4	44.0
																		900	15.0	49.2
																		1000	15.8	51.8
																		3000	31.2	102.4

Plenum • FPFA Insulation • Black Flamarrest® Jacket																				
UL AWM	<b>1282P</b>	new	1	1000	304.8	10.0	4.5	25 AWG	.074	1.88	Duobond (100%)	.114	2.90	75	81%	17.0	55.8	1	.4	1.3
								(solid)			+ 95%							5	.9	3.0
								.018"			TC Braid							50	3.7	12.1
								TC			5.8Ω/M'							100	5.0	16.4
								31.8Ω/M'			19.0Ω/km							200	7.0	23.0
								104.3Ω/km										400	10.0	32.8
																		700	14.5	47.6
																		900	17.0	55.8
																		1000	17.5	57.4
																		3000	37.0	121.4

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper





# Standard Analog Video Cable

RG-59/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**20 AWG Solid .032" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (80% Coverage)**

<b>Foam Polyethylene Insulation • Black PVC Jacket</b>																			
75°C	<b>9240</b>	—	1000	304.8	31.0	14.1	20 AWG (solid)	.143	3.63	BC Braid	.241	6.12	75	78%	17.3	56.7	1	.6	2.0
							.032"			80% Shield Coverage							10	1.0	3.3
							BCCS			5.6Ω/M'							50	2.1	6.9
							44.5Ω/M'			18.4Ω/km	100% Sweep tested. 5 MHz to 850 MHz.						100	3.0	9.8
							146.0Ω/km										200	4.5	14.8
																	400	6.6	21.7
																	700	8.9	29.2
																	900	10.1	33.1
																	1000	10.9	35.8

Suitable for Outdoor applications.

**20 AWG Solid .032" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)**

<b>Foam Polyethylene Insulation • Black Polyethylene Jacket</b>																			
80°C	<b>8212</b>	—	U-500	U-152.4	16.5	7.5	20 AWG (solid)	.143	3.63	BC Braid	.242	6.15	75	78%	17.3	56.7	1	.6	2.0
			500	152.4	15.0	6.8	.032"			95% Shield Coverage							10	1.0	3.3
			U-1000	U-304.8	31.0	14.1	BCCS			2.6Ω/M'							50	2.1	6.9
			1000	304.8	33.0	15.0	44.5Ω/M'			8.5Ω/km	100% Sweep tested. 5 MHz to 850 MHz.						100	3.0	9.8
							146.0Ω/km										200	4.5	14.8
																	400	6.6	21.7
																	700	8.9	29.2
																	900	10.1	33.1
																	1000	10.9	35.8

Suitable for Outdoor and Aerial applications when supported by a Messenger Wire.

<b>Foam Polyethylene Insulation • Black PVC Jacket</b>																			
80°C	<b>9274</b>	NEC: CM	500	152.4	15.5	7.0	20 AWG (solid)	.143	3.63	BC Braid	.240	6.10	75	82%	16.3	53.5	1	.6	2.0
		CEC: CM	1000	304.8	35.0	15.9	.032"			95% Shield Coverage							10	1.0	3.3
							BCCS			3.5Ω/M'							50	2.1	6.9
							44.5Ω/M'			11.5Ω/km	100% Sweep tested. 5 MHz to 450 MHz.						100	3.0	9.8
							146.0Ω/km										200	4.5	14.8
																	400	6.6	21.7
																	700	8.9	29.2
																	900	10.1	33.1
																	1000	10.9	35.8

Suitable for Outdoor applications.

**20 AWG Solid .032" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)**

<b>Gas-injected Foam HDPE Insulation • Black PVC Jacket</b>																			
UL AWM Style 1354 (30V 75°C)	<b>1426A</b>	NEC: CM	U-1000	U-304.8	35.0	15.9	20 AWG (solid)	.145	3.68	BC Braid	.242	6.15	75	83%	16.3	53.5	1	.3	1.0
							.032"			95% Shield Coverage							5	.7	2.1
							BC			2.6Ω/M'							10	.9	3.0
							10.0Ω/M'			8.5Ω/km	100% Sweep tested. 5 MHz to 450 MHz.						50	1.9	6.2
							32.8Ω/km										100	2.6	8.5
																	200	3.6	11.8
																	400	5.0	16.4
																	700	7.0	23.0
																	900	8.0	26.3
																	1000	8.5	27.9

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

# Standard Analog Video Cable

## RG-6/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**21 AWG Solid .028" Bare Copper-covered Steel Conductor • Double Bare Copper Braid Shields (98% Coverage)**

<b>Polyethylene Insulation • Black Polyethylene Jacket</b>																			
MATV Cable 80°C	<b>8215</b>	—	1000	304.8	74.0	33.6	21 AWG (solid) .028"	.185	4.70	(2) BC Braids 98% Shield Coverage	.332	8.43	75	66%	20.5	67.2	1	.4	1.3
																	10	.8	2.6
																	50	1.9	6.2
																	100	2.7	8.9
																	200	4.1	13.4
																	400	5.9	19.4
																	700	8.1	26.6
																	900	9.4	30.8
																	1000	9.8	32.1



**18 AWG Solid .037" Bare Copper Conductor • Double Bare Copper Braid Shields (98% Coverage)**

<b>Foam Polyethylene Insulation • Black PVC Jacket</b>																			
80°C	<b>9290</b>	NEC: CM	1000	304.8	59.0	26.8	18 AWG (solid) .037"	.180	4.57	(2) BC Braids 98% Shield Coverage	.288	7.32	75	81%	17.3	56.7	1	.2	.7
																	10	.7	2.3
																	50	1.7	5.6
																	100	2.5	8.2
																	200	3.6	11.8
																	400	5.3	17.4
																	700	7.2	23.6
																	900	8.3	27.2
																	1000	8.8	28.9



Suitable for Indoor and Outdoor applications.

**18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (65% Coverage)**

<b>Plenum • Foam FEP Insulation • Black FEP Jacket</b>																			
200°C	<b>89248</b>	NEC: CMP	500†	152.4	15.0	6.8	18 AWG (solid) .040"	.170	4.32	Duofoil + 65% TC Braid	.222	5.64	75	82%	16.5	50.3	1	.3	1.0
																	10	.66	2.2
																	50	1.5	4.9
																	100	2.1	6.9
																	200	3.1	10.2
																	400	4.5	14.8
																	700	6.0	19.7
																	900	6.9	22.6
																	1000	7.3	23.9



Suitable for Outdoor and Direct Burial applications.

<b>Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket</b>																			
75°C	<b>82248</b>	NEC: CMP	U-1000†	U-304.8	29.0	13.2	18 AWG (solid) .040"	.170	4.32	Duofoil + 65% TC Braid	.222	5.64	75	82%	16.5	50.3	1	.3	1.0
																	10	.7	2.3
																	50	1.6	5.2
																	100	2.2	7.2
																	200	3.0	9.8
																	400	4.6	15.1
																	700	6.6	21.6
																	900	7.7	25.3
																	1000	8.2	26.9



**18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)**

<b>Gas-injected Foam HDPE Insulation • Black PVC Jacket</b>																			
UL AWM Style 1354 (30V 80°C)	<b>9248</b>	NEC: CM	U-500	U-152.4	16.5	7.5	18 AWG (solid) .040"	.180	4.57	Duofoil + 60% TC Braid	.270	6.86	75	82%	16.2	53.1	1	.3	1.0
																	10	.7	2.3
																	50	1.5	4.9
																	100	2.0	6.6
																	200	2.8	9.2
																	400	4.0	13.1
																	700	5.3	17.4
																	900	6.1	20.0
																	1000	6.5	21.3
																	1500	8.3	27.2



BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper • UTP = Unshielded Twisted Pair  
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.







# Precision Video Cable for Analog and Digital

## Sub-Miniature RG-59/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**25 AWG** Stranded (19x37) .021" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
75°C	<b>1865A</b>	NEC: CMR CEC: CMG FT4	1000	304.8	14.0	6.4	25 AWG (19x37) .021" BC 27.4Ω/M' 89.9Ω/km	.094	2.39	Duofoil + 95% TC Braid 5.4Ω/M' 17.7Ω/km	.150	3.81	75	82%	16.5	54.1	1	.5	1.5
																	3.6	1.0	3.1
																	10	1.6	5.2
																	71.5	3.7	12.1
																	135	5.0	16.4
																	270	7.1	23.3
																	360	8.2	26.9
																	540	10.1	33.1
																	720	11.8	38.7
																	750	12.0	39.4
																	1000	13.9	45.6
																	1500	17.0	55.8
																	2250	20.8	68.2
																	3000	24.0	78.7

**23 AWG** Solid .023" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV Digital Video 75°C	<b>1855A</b>	NEC: CMR CEC: CMG FT4	500 <sup>▲</sup>	152.4	9.0	4.1	23 AWG (solid) .023" BC 20.1Ω/M' 65.9Ω/km	.102	2.59	Duofoil + 95% TC Braid 7.6Ω/M' 24.9Ω/km	.159	4.03	75	82%	16.3	53.5	1	.4	1.3
																	3.6	.8	2.6
																	10	1.2	3.9
																	71.5	3.1	10.0
																	135	3.8	12.5
																	270	5.4	17.7
																	360	6.2	20.3
																	540	7.7	25.3
																	720	9.5	31.1
																	750	9.6	31.5
																	1000	10.5	34.4
																	1500	13.0	42.6
																	2250	16.0	52.5
																	3000	18.5	60.7

\*500 ft. put-up available in Black only.

BC = Bare Copper • DCR = DC Resistance • HDPE = Foam High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

\*Available in Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.

# Precision Video Cable for Analog and Digital

RG-59/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**23 AWG Stranded (7x32) .023" Bare Compacted Copper\* • Tinned Copper Braid Shield (95% Coverage)**

<b>Polyethylene Insulation • Black Polyethylene Jacket</b>																			
80°C	<b>8279</b>	—	500	152.4	13.0	5.9	23 AWG (7x32)	.146	3.71	TC + 95% Shield	.220	5.59	75	66%	21.0	68.9	1	.4	1.1
			1000	304.8	29.0	13.2	.023" BCC			19.1Ω/M' / 62.6Ω/km							3.6	.6	2.0
										4.5Ω/M' / 14.8Ω/km							10.0	1.2	3.9
																	71.5	3.3	10.8
																	135	4.7	15.4
																	270	6.8	22.3
																	360	8.0	26.2
																	540	9.9	32.5
																	720	11.6	38.0
																	750	11.9	39.0
																	1000	13.8	45.3

**23 AWG Solid .022" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

<b>Polyethylene Insulation • Black Polyethylene Jacket</b>																			
80°C	<b>9209</b>	—	U-500	U-152.4	15.0	6.8	23 AWG (solid)	.146	3.71	Duofoil + 95% TC Braid	.220	5.59	75	66%	21.0	68.9	1	.4	1.2
			U-1000	U-304.8	29.0	13.2	.022" BC			4.5Ω/M' / 14.8Ω/km							3.6	.5	1.8
										20.4Ω/M' / 66.9Ω/km							10.0	1.2	3.8
																	71.5	2.9	9.5
																	135	4.0	13.0
																	270	5.6	18.4
																	360	6.6	21.5
																	540	8.3	27.2
																	720	9.7	31.7
																	750	9.9	32.5
																	1000	11.6	38.0

<b>Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket</b>																			
UL AWM Style 1354 (30V 75°C)	<b>9209A</b>	NEC: CMR CEC: CMG FT4	U-1000	U-304.8	35.0	15.9	23 AWG (solid)	.146	3.71	Duofoil + 95% TC Braid	.220	5.59	75	66%	20.5	67.2	1	.4	1.2
							.022" BC			4.5Ω/M' / 14.8Ω/km							3.6	.5	1.8
										20.4Ω/M' / 66.9Ω/km							10.0	1.2	3.8
																	71.5	2.9	9.5
																	135	4.0	13.0
																	270	5.6	18.4
																	360	6.6	21.5
																	540	8.6	28.3
																	720	10.1	33.2
																	750	10.4	34.1
																	1000	12.8	41.9

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

\*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

# Precision Video Cable for Analog and Digital

## RG-59/U Type




Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**20 AWG Solid .032" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)\***

SDI/HDTV Digital Video 75°C	<b>1505A</b>	NEC: CMR CEC: CMG FT4	500 <sup>▲</sup> 1000 5000 <sup>▼</sup>	152.4 304.8 1524.0	17.0 35.0 165.0	8.0 16.4 74.8	20 AWG (solid) .032"	.145 3.68	3.68	Duofoil + 95% TC Braid 3.8Ω/M' BC 10.0Ω/M' 32.8Ω/km	.233 5.92	75 83%	16.3 53.5		1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 .9 2.1 2.7 3.8 4.4 5.5 6.4 6.5 7.6 9.3 11.6 13.4	1.0 1.8 2.9 6.9 8.9 12.5 14.4 18.0 21.0 21.3 24.9 30.5 38.0 44.0
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For Plenum version of 1505A, see 1506A.  
Also available in bundled versions. See 7794A through 7798A.  
100% Sweep tested. 5 MHz to 3 GHz.

▲500 ft. put-up available in Black, Red or Blue only.  
▼5000 ft. put-up may vary in length by -0 to +10%.  
•1000 ft. and 5000 ft. put-ups available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

**22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor\* • Tinned Copper/Bare Copper Double Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, Orange, White or Purple)**

High-Flex SDI/HDTV Video Patch 75°C	<b>1505F</b>	NEC: CM CEC: CM	1000	304.8	45.0	20.4	22 AWG (7x29) .031"	.145 3.68	3.68	TC Double Braid 95% Shield BCC Coverage 12.2Ω/M' 40.0Ω/km	.242 6.15	75 80%	17.0 55.7		1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .5 .9 2.5 3.5 5.1 6.0 7.4 8.7 8.9 10.5 13.3 16.9 20.3	.7 1.6 2.9 8.2 11.5 16.7 19.7 24.3 28.5 29.2 34.4 43.6 55.4 66.6
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100% Sweep tested. 5 MHz to 3 GHz.

\*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

**20 AWG Solid .032" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

**Plenum • Foam FEP Insulation • Flamarest® Jacket (Available in 10 colors)\***

SDI/HDTV Digital Video 75°C	<b>1506A</b>	NEC: CMP CEC: CMP FT6	500 <sup>†*</sup> 1000 <sup>†*</sup>	152.4 304.8	14.5 29.0	6.6 13.2	20 AWG (solid) .032"	.133 3.38	3.38	Duofoil + 95% TC Braid 3.8Ω/M' BC 10.0Ω/M' 32.8Ω/km	.196 4.93	75 84%	16.1 52.8		1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 1.1 2.3 3.2 4.6 5.3 6.4 7.3 7.5 9.4 12.8 17.5 21.9	1.0 2.0 3.4 7.4 10.5 14.9 17.2 21.0 23.9 24.6 30.8 42.0 57.4 71.8
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100% Sweep tested. 5 MHz to 3 GHz.

Suitable for Outdoor and Direct Burial applications.  
\*500 ft. put-up available in Black or Natural only.  
†1000 ft. put-up available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural.

**20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

**Polyethylene Insulation • Gray PVC Jacket**

60°C VW-1	<b>9231</b>	NEC: CMH CEC: CMH FT1	500 1000	152.4 304.8	39.0 76.0	17.7 34.5	20 AWG (solid) .031"	.198 5.03	5.03	TC Double Braid 98% Shield Coverage 9.9Ω/M' 32.5Ω/km	.305 7.75	75 66%	21.0 68.9		1 3.6 10 71.5 135 270 360 540 720 750 1000	.3 .5 .8 2.0 3.5 4.3 5.0 6.2 7.2 7.4 9.1	1.0 1.6 2.6 6.6 11.5 14.1 16.4 20.3 23.6 24.3 29.8
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100% Sweep tested. 5 MHz to 850 MHz.

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.

†Final put-up length may vary ±10% for spools or reels, ±5% for Unreel cartons from length shown.



# Precision Video Cable for Analog and Digital


## RG-59/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m


**20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage) (continued)**

**Polyethylene Insulation • Clear Polyethylene Jacket**

Indoor Use 80°C	<b>9141</b>	—	1000	304.8	73.0	33.2	20 AWG (solid) .031" BC 9.9Ω/M' 32.5Ω/km	.200	5.06	TC Double Braid 98% Shield Coverage 1.1Ω/M' 3.6Ω/km	.305	7.75	75	66%	20.0	65.6	1	.3	1.0
																			
100% Sweep tested. 5 MHz to 850 MHz.																			
3.6 .5 1.6 10.0 .8 2.6 71.5 2.0 6.6 135 3.5 11.5 270 4.3 14.1 360 5.0 16.4 540 6.2 20.3 720 7.2 23.6 750 7.4 24.3 1000 9.1 29.8																			


**20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

**Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Blue, White, Orange or Black)**

80°C	<b>8281</b>	—	500 <sup>▲</sup> 1000	152.4 304.8	37.5 74.0	17.8 33.6	20 AWG (solid) .031" BC 9.9Ω/M' 32.5Ω/km	.198	5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M' 3.6Ω/km	.305	7.75	75	66%	21.0	68.9	1	.3	.8
																			
For Plenum version of 8281, see 88281. 100% Sweep tested. 5 MHz to 850 MHz.																			
3.6 .5 1.8 10.0 .8 2.6 71.5 2.1 6.9 135 3.0 9.8 270 4.3 14.1 360 5.1 16.6 540 6.3 20.7 720 7.4 24.3 750 7.6 24.9 1000 9.2 30.2																			

<sup>▲</sup>500 ft. put-up not available in White.


**Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 9 colors)\***

UL AWM Style 1354 (30V 80°C)	<b>8281B</b>	NEC: CMR CEC: CMG FT4	1000	304.8	84.0	38.1	20 AWG (solid) .031" BC 9.9Ω/M' 32.5Ω/km	.198	5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M' 3.6Ω/km	.305	7.75	75	66%	21.0	68.9	1	.3	.8
																			
For Plenum version of 8281B, see 88281. 100% Sweep tested. 5 MHz to 850 MHz.																			
3.6 .5 1.8 10.0 .8 2.6 71.5 2.1 6.9 135 3.0 9.8 270 4.4 14.4 360 5.1 16.6 540 6.6 21.5 720 7.8 25.4 750 8.0 26.2 1000 10.2 33.5																			

\*8281B available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.

**22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor\* • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**


**Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black)**

High-Flex 60°C	<b>8281F</b>	—	500 <sup>*</sup> 1000	152.4 304.8	34.5 67.0	15.7 30.4	22 AWG (7x29) .031" BCC 12.2Ω/M' 40.0Ω/km	.193	4.90	TC Double Braid 98% Shield Coverage 1.7Ω/M' 5.6Ω/km	.305	7.75	75	66%	21.0	68.9	1	.3	.9
																			
100% Sweep tested. 5 MHz to 850 MHz.																			
3.6 .5 1.7 10.0 .9 2.9 71.5 2.5 8.0 135 3.6 11.6 270 5.1 16.7 360 6.0 19.7 540 7.4 24.3 720 8.7 28.5 750 8.9 29.2 1000 10.5 34.4																			

\*500 ft. put-up available in Black only.

**20 AWG Solid .032" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

**Plenum • FEP Insulation • Black Fluorocopolymer Jacket**

150°C	<b>88281</b>	NEC: CMP CEC: CMP FT6	500 1000	152.4 304.8	44.5 86.0	20.2 39.1	20 AWG (solid) .032" BC 9.9Ω/M' 32.5Ω/km	.185	4.70	TC Double Braid 98% Shield Coverage 1.1Ω/M' 3.6Ω/km	.271	6.88	75	71%	19.0	62.4	1	.2	.7
																			
100% Sweep tested. 5 MHz to 216 MHz.																			
3.6 .5 1.6 10.0 .8 2.6 71.5 2.3 7.5 135 3.3 10.8 270 5.1 16.7 360 6.1 20.0 540 8.0 26.2 720 9.7 31.8 750 10.0 32.8 1000 12.3 40.3																			

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

\*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Precision Video Cable for Analog and Digital

## RG-6/U and RG-11/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**RG-6/U Type • 18 AWG** Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

**Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)\***

SDI/HDTV	1694A	NEC:	500 <sup>▲</sup>	152.4	20.5	9.3	18 AWG	.180	4.57	Duofoil + 95% TC Braid 2.8Ω/M' 9.2Ω/km	.275	6.99	75	82%	16.2	53.1	1	2	.8
Digital Video		CMR	1000	304.8	45.0	20.5	(solid)		3.6								.5	1.5	
75°C		CEC:	4500	1371.6	202.5	91.9	.040"		10								.7	2.4	
		CMG FT4					BC		71.5								1.6	5.2	
							6.4Ω/M'		135								2.1	6.9	



For Plenum version of 1694A, see 1695A.  
Also available in bundled versions. See 7710A through 7713A.  
100% Sweep tested. 5 MHz to 3 GHz.  
1000 5.9 19.3  
1500 7.3 24.0  
2250 9.1 30.0  
3000 10.7 35.0

\*500 ft. put-up available in Black only.

**Gas-injected Foam HDPE Insulation • Black Low-Smoke, Zero-Halogen Jacket**

SDI/HDTV	1694SB	NEC:	1000	304.8	46.0	20.9	18 AWG	.180	4.57	Duofoil + 95% TC Braid 2.8Ω/M' 9.2Ω/km	.274	6.96	75	82%	16.2	53.1	1	2	.8
Digital Video		CMG-LS					(solid)		3.6								.5	1.5	
75°C		CEC:					.040"		10								.7	2.4	
		CMG-LS FT4					BC		71.5								1.6	5.2	
		Limited Smoke					6.4Ω/M'		135								2.1	6.9	



100% Sweep tested. 5 MHz to 4.5 GHz.  
270 3.0 9.7  
360 3.4 11.3  
540 4.3 13.9  
720 4.9 16.1  
750 5.0 16.4  
1000 5.9 19.3  
1500 7.3 24.0  
2250 9.1 30.0  
3000 10.7 35.0

**Plenum • Foam FEP Insulation • Flammarrest® Jacket (Available in 10 colors)\*\***

SDI/HDTV	1695A	NEC:	500 <sup>†*</sup>	152.4	20.5	9.3	18 AWG	.170	4.32	Duofoil + 95% TC Braid 2.8Ω/M' 9.2Ω/km	.234	5.94	75	82%	16.2	53.1	1	2	.8
Digital Video		CMP	1000	304.8	45.0	20.5	(solid)		3.6								.5	1.5	
75°C		CEC:					.040"		10								.8	2.5	
		CMP FT6					BC		71.5								1.8	5.8	
							6.4Ω/M'		135								2.4	7.9	



100% Sweep tested. 5 MHz to 3 GHz.  
270 3.4 11.2  
360 4.0 13.1  
540 5.2 17.1  
720 6.1 20.0  
750 6.2 20.3  
1000 7.3 24.0  
1500 9.2 30.2  
2250 11.6 38.0  
3000 13.7 44.9

\*500 ft. put-up available in Black or Natural only. Black jacket suitable for Indoor, Outdoor and Aerial applications.

**RG-11/U Type • 14 AWG** Solid .064" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

**Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)\***

SDI/HDTV	7731A	NEC:	500 <sup>▼</sup>	152.4	46.5	21.1	14 AWG	.280	7.11	Duofoil + 95% TC Braid 1.5Ω/M' 4.9Ω/km	.405	10.3	75	85%	16.0	52.4	1	2	.5
Digital Video		CMR	1000	304.8	95.0	43.1	(solid)		10								.5	1.5	
75°C		CEC:	4000	1219.2	388.0	176.2	.064"		71.5								1.1	3.6	
		CMG FT4					BC		135								1.5	4.8	
							2.5Ω/M'		270								2.1	6.9	



100% Sweep tested. 5 MHz to 3 GHz.  
360 2.5 8.0  
540 3.1 10.0  
720 3.6 11.7  
750 3.7 12.0  
1000 4.3 14.1  
1500 5.5 18.0  
2250 6.9 22.6  
3000 8.2 26.9

\*500 ft. put-up available in Red or Black only.

**Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Available in 10 colors)\*\***

SDI/HDTV	7732A	NEC:	500 <sup>•</sup>	152.4	45.0	20.5	14 AWG	.274	6.96	Duofoil + 95% TC Braid 1.6Ω/M' 5.3Ω/km	.348	8.84	75	83%	16.3	53.5	1	2	.5
Digital Video		CMP	1000	304.8	90.0	40.9	(solid)		10								.4	1.3	
150°C		CEC:	2000 <sup>†</sup>	609.6	176.0	80.0	.064"		71.5								1.2	4.1	
		CMG FT6					BC		135								1.8	5.8	
							2.5Ω/M'		270								2.6	8.5	



100% Sweep tested. 5 MHz to 3 GHz.  
360 3.1 10.2  
540 3.9 12.8  
720 4.6 15.0  
750 4.7 15.4  
1000 5.5 18.0  
1500 6.9 22.7  
2250 9.2 30.2  
3000 10.2 33.5

\*500 ft. put-up available in Black or Natural only.

\*\*2000 ft. put-up available in Natural only.

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG-U cables not listed.

\* Non-Plenum Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

\*\* Plenum Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural.

† Final put-up length may vary ±10% for spools or reels and ±5% for Unreel cartons from length shown.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

# Brilliance VideoFLEX® Snake Cable for Precision Analog and Digital Video

Miniature and RG-59/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**Miniature • 23 AWG** Solid .023" Bare Copper Conductors • Duofoil® (100% Coverage) + TC Braid Shield (95% Coverage)

<b>Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket</b> (Color Code: See chart below)																				
SDI/HDTV Digital Video 75°C (1855A Bundled)	<b>7787A</b>	NEC: CMR CEC: CMG FT4	3	500 1000	152.4 304.8	47.5 94.0	21.6 42.7	23 AWG (solid) .023" BC 20.1Ω/M' 65.9Ω/km	.102 Coax OD: .159	2.55 4.03	Duofoil + 95% TC Braid 7.6Ω/M' 24.9Ω/km	.432	10.97	75	83%	16.5	54.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2500 3000	.4 .8 1.2 3.1 3.8 5.4 6.2 7.7 9.1 9.5 10.5 13.0 16.9 18.5	1.3 2.6 3.9 10.0 12.5 17.7 20.3 25.3 29.8 31.2 34.4 42.6 55.4 60.7
	<b>7788A</b>	NEC: CMR CEC: CMG FT4	4	1000	304.8	110.0	49.9	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.481	12.22					750 1000 1500 2500 3000	9.5 10.5 13.0 16.9 18.5	31.2 34.4 42.6 55.4 60.7
	<b>7789A</b>	NEC: CMR CEC: CMG FT4	5	500 1000	152.4 304.8	73.0 142.0	33.1 64.4	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.539	13.69							
	<b>7790A</b>	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	88.5 176.0	40.2 79.9	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.597	15.16							
	<b>7791A</b>	NEC: CMR CEC: CMG FT4	10	500 1000	152.4 304.8	155.5 304.0	70.5 137.9	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.796	20.22							
	<b>7792A</b>	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	178.5 367.0	80.7 166.5	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.825	20.96							

Sweep tested 5 MHz to 3 GHz.

**RG-59/U Type • 23 AWG** Solid .032" Bare Copper Conductors • Duofoil (100% Coverage) + TC Braid Shield (95% Coverage)

<b>Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket</b> (Color Code: See chart below)																				
SDI/HDTV Digital Video 75°C (1505A Bundled)	<b>7794A</b>	NEC: CMR CEC: CMG FT4	3	500 1000	152.4 304.8	94.5 187.0	43.0 84.8	23 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.145 Coax OD: .235	3.68 5.97	Duofoil + 95% TC Braid 3.8Ω/M' 12.5Ω/km	.631	16.03	75	83%	16.3	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2500 3000	.3 .6 .9 2.1 2.7 3.8 4.4 5.5 6.4 6.5 7.6 9.3 12.4 13.8	1.0 1.8 2.9 6.9 8.9 12.5 14.4 18.0 21.0 21.3 24.9 30.5 40.7 45.3
	<b>7795A</b>	NEC: CMR CEC: CMG FT4	4	500 1000	152.4 304.8	116.5 237.0	53.0 107.7	same as above	.145 Coax OD: .235	3.68 5.97	same as above	.706	17.93					1000 1500 2500 3000	7.6 9.3 12.4 13.8	24.9 30.5 40.7 45.3
	<b>7796A</b>	NEC: CMR CEC: CMG FT4	5	500 1000	152.4 304.8	153.0 299.0	69.4 135.6	same as above	.145 Coax OD: .235	3.68 5.97	same as above	.790	20.07							
	<b>7798A</b>	NEC: CMR CEC: CMG FT4	10	500 1000	152.4 304.8	319.5 625.0	145.2 284.1	same as above	.145 Coax OD: .235	3.68 5.97	same as above	1.166	29.62							

Sweep tested 5 MHz to 3 GHz.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

See Connector Reference Guide at [www.belden.com](http://www.belden.com) for connector recommendations.

**Color Code Chart**

Cond.	Color	Cond.	Color	Cond.	Color
1	Red	5	Yellow	9	Purple
2	Green	6	Brown	10	Black
3	Blue	7	Orange	11	Pink
4	White	8	Gray	12	Tan



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • [www.belden.com](http://www.belden.com)

# Brilliance VideoFLEX® Snake Cable for Precision Analog and Digital Video

RG-6/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**RG-59/U • 20 AWG** Solid .032" Bare Copper Conductors • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

**Plenum • Foam FEP Insulation • Plenum-Grade PVC Jackets** (Color Code: See chart below) • **Center Spine • No Overall Jacket**

	300V RMS	<b>1283S3</b> <small>new</small>	NEC: CMP: CEC: CMP	3	250 500 1000	76.2 152.4 304.8	26.3 54.0 103.0	11.9 24.5 46.7	20 AWG (solid) .032"	.133	3.38	Duofoil (95%) + TC Braid 3.8Ω/M' 12.5Ω/km	.422	10.72	75	83%	16.2	53.1	1	.3	1.0	
																			3.6	.6	2.0	
																				10	.9	2.9
																				71.5	2.1	6.9
																				135	2.7	8.9
																				270	3.8	12.5
																				360	4.4	14.4
																				540	5.5	18.0
																				720	6.4	21.0
																				750	6.5	21.3
																			1000	7.6	24.9	
																			1500	9.4	30.8	
																			2500	12.4	40.7	
																			3000	13.8	45.3	

Sweep tested. 5 MHz to 3 GHz.  
U.S. Patent 7,049,523

Suitable for Indoor and Outdoor applications.

**RG-6/U Type • 18 AWG** Solid .040" Bare Copper Conductors • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

**Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket** (Color Code: See chart below)

	SDI/HDTV Digital Video 75°C (1694A Bundled)	<b>7710A</b>	NEC: CMR: CEC: CMG FT4	3	500 1000	152.4 304.8	137.5 285.0	62.4 129.3	18 AWG (solid) .040"	.180	4.57	Duofoil (95%) + 95% TC Braid 3.0Ω/M' 9.8Ω/km	.770	19.56	75	82%	16.2	53.1	1	.2	.8	
																				3.6	.5	1.5
																				10	.7	2.4
																				71.5	1.6	5.2
																				135	2.1	6.9
																				270	3.0	9.7
																				360	3.4	11.3
																				540	4.3	13.9
																				720	4.9	16.1
																				750	5.0	16.4
																			1000	5.9	19.3	
																			1500	7.3	24.0	
																			2500	9.1	31.8	
																			3000	10.6	35.0	

Sweep tested 5 MHz to 3 GHz.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed. See Connector Reference Guide at [www.belden.com](http://www.belden.com) for connector recommendations.

### Color Code Chart

Cond.	Color	Cond.	Color
1	Red	6	Brown
2	Green	7	Orange
3	Blue	8	Gray
4	White	9	Purple
5	Yellow	10	Black



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# Bundled RGB Cable

## Miniature and High-Flex Type



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation	
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.

**Miniature • 30 AWG** Stranded (7x38) .012" TC Cond. • Coaxes: Duofoil® (100% Coverage) + TC Braid (90% Cov.) • Overall: Beldfoil® Shield (100% Cov.)

**Foam HDPE Insulation • Inner PVC Jackets (Color Code: See Chart Below) • Overall Black PVC Jacket**

	UL AWM Style 1354 (30V 60°C)	<b>1520A</b>	NEC: CL2	3	500 1000	152.4 304.8	23.0 50.0	10.4 22.7	30 AWG (7x38) .012"	.056 .102	1.42 2.59	Coaxes: Duofoil + 90% TC Braid Overall: Beldfoil	.283 .310	7.19 8.59	75	78%	17.3	56.7	1 5 10 30 50 100 200 400 700 900 1000	.8 1.5 2.2 4.0 5.4 8.2 12.5 18.9 26.5 30.8 32.8	2.6 4.9 7.2 13.1 17.7 26.9 41.0 62.0 86.9 101.0 107.6	
		<b>1521A</b>	NEC: CL2	4	500 1000	152.4 304.8	31.0 60.0	14.1 27.3	same as above	.056 .102	1.42 2.59	same as above	.310	7.87								
		<b>1522A</b>	NEC: CL2	5	500 1000	152.4 304.8	34.5 67.0	15.6 30.4	same as above	.056 .102	1.42 2.59	same as above	.338	8.59								

**High-Flex • 26 AWG** Stranded (7x34) .019" Bare Copper Conductors • Duofoil (100% Coverage) + TC Braid Shield (93% Coverage)

**Foam HDPE Insulation • Inner PVC Jackets (Color Code: See Chart Below) • Overall Matte Black PVC Jacket**

	60°C	<b>1406B</b>	—	3	1000	304.8	79.0	35.8	26 AWG (7x34) .019"	.090 .146	2.29 3.71	Duofoil + 93% TC Braid	.388 .455	9.86 11.56	75	78%	17.3	56.7	1 5 10 30 50 100 200 400 700 900 1000	.6 1.3 1.8 3.1 3.9 5.4 7.5 10.4 13.5 15.2 15.9	2.0 4.3 5.9 10.2 12.8 17.7 24.6 34.1 44.3 49.9 52.2		
		<b>1407B</b>	—	4	1000	304.8	100.0	45.5	same as above	.090 .146	2.29 3.71	same as above	.455	11.56									
		<b>1417B</b>	—	5	1000	304.8	110.0	49.9	same as above	.090 .146	2.29 3.71	same as above	.477	12.12									

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

### Color Code Chart

Cond.	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)





# Bundled RGB Cable

Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video  
CMR and CMP Rated



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**Miniature • 25 AWG Solid .018" TC Conductors • Duobond® (100% Coverage) + TC Interlocked Serve Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • PVC Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket**

	<b>1281S3</b> <small>new</small>	NEC: CMR CEC: CMG	3	500 <sup>†</sup> 1000 <sup>†</sup>	152.4 304.8	17.0 31.0	7.7 14.1	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.074	1.88	Duobond (100%) + TC Serve (95%) 5.4Ω/M' 17.7Ω/km	Single: .114 2.90 Overall: .246 6.25	75	80%	17.0	55.8	1 5 50 100 200 400 750 900 1000 3000	.52 1.2 3.7 4.9 6.7 9.5 13.4 15.0 15.8 31.2	1.7 3.8 12.1 16.1 22.0 31.2 44.0 49.2 51.8 102.4
	<b>1281S4</b> <small>new</small>	NEC: CMR CEC: CMG	4	500 <sup>†</sup> 1000 <sup>†</sup>	152.4 304.8	23.5 44.0	10.7 20.0	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .275 6.99							
	<b>1281S5</b> <small>new</small>	NEC: CMR CEC: CMG	5*	250 <sup>†</sup> 500 <sup>†</sup> 1000 <sup>†</sup>	76.2 152.4 304.8	16.0 28.5 55.0	7.3 12.9 25.0	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .308 7.82							
	<b>1281S6</b> <small>new</small>	NEC: CMR CEC: CMG FT4	6*	500 <sup>†</sup> 1000 <sup>†</sup>	152.4 304.8	33.5 68.0	15.2 30.8	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .342 8.69							

**Plenum • FPFA • Flamarrest® Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket**

	<b>1282S3</b> <small>new</small>	NEC: CMP CEC: CMP	3	500 1000	152.4 304.8	18.5 34.0	8.4 15.4	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.075	1.91	Duobond (100%) + TC Serve (95%) 5.4Ω/M' 17.7Ω/km	Single: .114 2.90 Overall: .246 6.25	75	81%	16.8	55.1	1 5 50 100 200 400 750 1000 2250 3000	.50 1.2 3.8 5.2 7.1 10.0 14.3 16.9 25.5 33.9	1.6 3.9 12.1 17.1 23.1 32.9 47.0 55.4 83.6 111.3
	<b>1282S4</b> <small>new</small>	NEC: CMP CEC: CMP	4	500 1000	152.4 304.8	25.5 49.0	11.6 22.2	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .275 6.99							
	<b>1282S5</b> <small>new</small>	NEC: CMP CEC: CMP	5*	250 500 1000	76.2 152.4 304.8	18.0 33.0 67.0	8.2 15.0 30.4	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .308 7.82							
	<b>1282S6</b> <small>new</small>	NEC: CMP CEC: CMP	6*	500 1000	152.4 304.8	39.5 80.0	17.9 36.3	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .342 8.69							

DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

<sup>†</sup>Spools are one piece, but length may vary ±10% from length shown.

\*Also available with all Black jackets.

### Color Code Chart:

Cond.	Color	Cond.	Color
1	Red	4	Yellow
2	Green	5	Black
3	Blue	6	White



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# High-Flex S-Video Cable

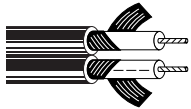


Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation	
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.

**30 AWG** Stranded (7x38) .012" Tinned Copper Conductors • Tinned Copper Serve Shield (90% Coverage)

**Foam HDPE Insulation • Matte Black PVC Jacket** (One Coax Printed and Striped for Identification)

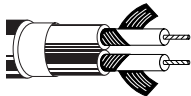
Parallel Zip Construction	<b>1807A</b>	—	2	U-500	U-152.4	8.0	3.6	30 AWG (7x38)	.058	1.47	TC Serve	.110	2.79	75	78%	17.3	56.7	1	.6	2.0
				500	152.4	7.5	3.4				90% Shield	x	x					5	1.4	4.6
				U-1000	U-304.8	15.0	6.8	.012"			Coverage	.230	5.84					10	2.1	6.9
				1000	304.8	14.0	6.4	TC			7.5Ω/M'							30	3.8	12.5
								100.0Ω/M'			24.6Ω/km							50	5.1	16.7
								328.0Ω/km										100	7.6	24.9
																		200	11.3	37.1
																		400	16.9	55.4
																		700	23.3	76.4
																		900	26.9	88.2
																		1000	28.6	93.8



For Plenum version see 7700A.

**Foam HDPE Insulation • Matte Black PVC Jacket** (Inner PVC Jackets Color Code: Black and Yellow)

Round Construction	<b>1808A</b>	—	2	U-500	U-152.4	16.5	7.5	30 AWG (7x38)	.058	1.47	TC Serve	.255	.84	75	78%	17.3	56.7	1	.6	2.0
				500	152.4	14.5	6.6				90% Shield							5	1.4	4.6
				U-1000	U-304.8	31.0	14.1	.013"	.100	2.54	Coverage							10	2.1	6.9
				1000	304.8	33.0	15.0	TC			7.5Ω/M'							30	3.8	12.5
								100.0Ω/M'			24.6Ω/km							50	5.1	16.7
								328.0Ω/km										100	7.6	24.9
																		200	11.3	37.1
																		400	16.9	55.4
																		700	23.3	76.4
																		900	26.9	88.3
																		1000	28.6	93.8

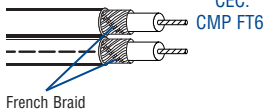


Available in Plenum versions by special order only.

**30 AWG** Stranded (7x38) .012" Tinned Copper Conductors • Tinned Copper "French Braid" Shield (98% Coverage)

**Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket** (One Coax Printed and Striped for Identification)

Parallel Zip Construction	<b>7700A</b>	NEC: CMP CEC: CMP FT6	2	500	152.4	8.5	3.9	30 AWG (7x38)	.053	1.35	TC	.107	2.72	75	78%	17.3	56.7	1	.7	2.3
				1000	304.8	17.0	7.7				"French Braid"	x	x					5	1.7	5.6
								.012"			98% Shield	.214	5.44					10	2.3	7.5
								TC			Coverage							30	4.1	13.5
								100.0Ω/M'			7.5Ω/M'							50	5.3	17.4
								328.0Ω/km			24.6Ω/km							100	7.6	24.9
																		200	11.8	38.7
																		400	17.6	57.7
																		700	24.2	79.4
																		900	28.0	91.9
																		1000	29.8	97.8



French Braid

For Non-Plenum version see 1807A.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# Video Triax Cable

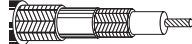
## RG-59/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**22 AWG Stranded (19x34) .031" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)**

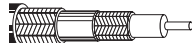
**Foam Polyethylene Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Purple or Black. Polyethylene Insulation between Braids)**

High-Flex 75°C	1857A	—	500	152.4	42.5	19.3	22 AWG (19x34) .031"	.143	3.63	(2) BC Braids 95% Coverage	.360	9.14	75	79%	17.0	55.8	1	.3	1.0
			1000	304.8	86.0	39.1											14.0Ω/M' 45.9Ω/km	2.5Ω/M' 8.2Ω/km	1.6Ω/M' 5.3Ω/km
																			
10    .8    2.6 71.5    2.2    7.2 135    3.1    10.2 270    4.5    14.8 360    5.4    17.7 540    6.8    22.3 720    8.1    26.6 750    8.4    27.6 1000    10.1    33.1 1500    13.3    43.6 2250    17.6    57.7 3000    21.4    70.2																			

Suitable for Outdoor applications: Black for permanent installations, All colors for field deployable use.

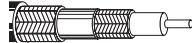
**20 AWG Solid .032" Bare Copper Conductor • Bare Copper Double Braid Shield (95% Coverage)**

**Plenum • Foam FEP Insulation • Black FEP Jacket (FEP Insulation between Braids)**

200°C 75°C	88232	NEC: CMP CEC: CMP FT6	500	152.4	29.0	13.2	20 AWG (solid) .032"	.140	3.56	(2) BC Braids 95% Coverage	.245	6.22	75	80%	16.9	55.4	1	.4	1.3
			1000	304.8	61.0	27.7											10.0Ω/M' 32.8Ω/km	2.6Ω/M' 8.5Ω/km	2.6Ω/M' 8.5Ω/km
																			
10    .8    2.6 71.5    2.2    7.2 135    3.1    10.2 270    4.5    14.8 360    5.3    17.4 540    6.6    21.7 720    7.7    25.3 750    7.9    25.9 1000    9.4    30.8 1500    12.1    39.7 2250    15.6    51.2 3000    18.7    61.4																			

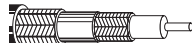
**20 AWG Solid .032" Bare Copper Conductor • Bare Copper Double Braid Shield (80% Coverage)**

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)**

80°C	8232	—	500	152.4	31.0	14.1	20 AWG (solid) .032"	.145	3.68	(2) BC Braids 80% Coverage	.315	8.00	75	83%	16.2	53.1	1	.3	1.0
			1000	304.8	60.0	27.3											10.0Ω/M' 32.8Ω/km	2.5Ω/M' 8.2Ω/km	2.8Ω/M' 9.2Ω/km
																			
10    .9    3.0 71.5    2.1    6.9 135    3.0    9.8 270    4.2    13.8 360    4.8    15.7 540    5.9    19.4 720    7.0    23.0 750    7.1    23.3 1000    8.3    27.2 1500    10.5    34.5 2250    13.4    44.0 3000    15.9    52.2																			

Suitable for Outdoor and Direct Burial applications. Suitable for Aerial applications when supported by a Messenger wire.

**Gas-injected Foam HDPE Insulation • Black PVC Jacket (PVC Insulation between Braids)**

75°C	8232A	NEC: CMR CEC: CMG FT4	1000	304.8	68.0	30.8	20 AWG (solid) .032"	.145	3.68	(2) BC Braids 80% Coverage	.315	8.00	75	83%	16.2	53.1	1	.3	1.0
																	10.0Ω/M' 32.8Ω/km	2.5Ω/M' 8.2Ω/km	2.8Ω/M' 9.2Ω/km
																			
10    .9    3.0 71.5    2.1    6.9 135    3.0    9.8 270    4.2    13.8 360    4.8    15.7 540    5.9    19.4 720    7.0    23.0 750    7.1    23.3 1000    8.3    27.2 1500    10.5    34.5 2250    13.4    44.0 3000    15.9    52.2																			

Suitable for Aerial applications when supported by a Messenger wire and for Outdoor Applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of cables not listed.

# Video Triax Cable

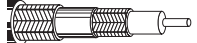
RG-59/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

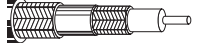
**20 AWG Solid .032" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • Belflex® Jacket** (Red, Yellow, Green, Blue or Black); Polyethylene Insulation between Braids

75°C	<b>1856A</b>	—	1000	304.8	83.0	37.7	20 AWG (solid)	.145	3.68	(2) BC Braids	.360	9.14	75	83%	16.2	53.1	1	.3	1.0
							.032"			95% Coverage							3.6	.6	2.0
							BC			Inner:							71.5	2.2	7.2
							10.1Ω/M'			2.5Ω/M'							135	3.0	9.8
							33.1Ω/km			8.2Ω/km							270	4.2	13.8
										Outer:							360	4.8	15.7
										1.6Ω/M'							540	5.9	19.4
										5.3Ω/km							720	6.9	22.6
																	750	7.1	23.3
																	1000	8.8	28.9
																	1500	12.0	39.4
																	2250	16.4	53.8
																	3000	20.4	66.9


Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

**Gas-injected Foam HDPE Insulation • Belflex Jacket** (Red, Yellow, Green, Blue, Purple or Black); PVC Insulation between Braids

75°C	<b>1856B</b>	NEC: CMR CEC: CMG FT4	1000	304.8	86.0	39.1	20 AWG (solid)	.145	3.68	(2) BC Braids	.360	9.14	75	83%	16.2	53.1	1	.3	1.0
							.032"			95% Coverage							3.6	.6	2.0
							BC			Inner:							71.5	2.2	7.2
							10.1Ω/M'			2.5Ω/M'							135	3.0	9.8
							33.1Ω/km			8.2Ω/km							270	4.2	13.8
										Outer:							360	4.8	15.7
										1.6Ω/M'							540	5.9	19.4
										5.2Ω/km							720	6.9	22.6
																	750	7.1	23.3
																	1000	8.8	28.9
																	1500	12.0	39.4
																	2250	16.4	53.8
																	3000	20.4	66.9

Suitable for Indoor/Outdoor applications.

**Gas-injected Foam HDPE Insulation • Paper Tape Separator • Black Hypalon® Jacket** (Polyethylene Insulation between Braids)

80°C	<b>9267</b>	—	500	152.4	39.5	18.0	20 AWG (solid)	.145	3.68	(2) BC Braids	.360	9.14	75	82%	16.3	53.5	1	.3	1.0
VW-1			1000	304.8	77.0	35.0	.032"			95% Coverage							3.6	.6	2.0
							BC			Inner:							71.5	2.1	6.9
							10.0Ω/M'			2.5Ω/M'							135	2.9	9.5
							33.1Ω/km			8.2Ω/km							270	4.2	13.8
										Outer:							360	4.8	15.7
										2.6Ω/M'							540	6.0	19.7
										8.5Ω/km							720	6.7	22.0
																	750	6.9	22.6
																	1000	8.3	27.2
																	1500	10.5	34.5
																	2250	13.4	44.0
																	3000	15.9	52.2

Suitable for Outdoor and Direct Burial applications and Aerial when supported by a Messenger wire.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

Hypalon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Video Triax Cable

RG-11/U Type

75 Ohms



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**15 AWG Stranded (19x27) .064" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Purple or Black) Polyethylene Insulation between Braids**

	<b>High-Flex</b> 75°C	<b>1858A</b>	—	500	152.4	80.5	36.8	15 AWG (19x27) .064"	.312	7.92	(2) BC Braids 95% Coverage	.520	13.20	75	78%	17.3	56.8	1	.1	.5
				1000	304.8	157.0	71.8											3.6	.3	1.0

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

**Plenum • Foam FEP Teflon® Insulation • Black Fluorocopolymer Jacket (Fluorocopolymer Insulation between Braids)**

	125°C	<b>1859A</b>	NEC: CMP CEC: CMP FT6	500	152.4	66.5	30.2	15 AWG (19x27) .064"	.285	7.24	(2) BC Braids 95% Coverage	.406	10.30	75	80%	16.5	54.1	1	.1	.3
				1000	304.8	134.0	60.9											3.6	.2	.7

Suitable for Outdoor and Direct Burial applications and Aerial when supported by a Messenger wire.

**15 AWG Stranded (19x27) .064" Bare Copper Conductor • Double Bare Copper Braid Shield (90% Coverage)**

**Gas-injected Foam HDPE Insulation • Yellow PVC Jacket (Polyethylene Insulation between Braids)**

	UL AWM Style 1641 (30V 75°C) VW-1	<b>9192</b>	NEC: CL2X	1000	304.8	150.0	68.2	15 AWG (19x27) .064"	.312	7.92	(2) BC Braids 90% Coverage	.520	13.20	75	78%	17.3	56.8	1	.1	.5

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

**Gas-injected Foam HDPE Insulation • Paper Tape Separator • Black Hypalon® Jacket (Polyethylene Insulation between Braids)**

	UL AWM Style 1641 (30V 75°C) VW-1	<b>9232</b>	—	500	152.4	76.5	19.3	15 AWG (19x27) .064"	.312	7.92	(2) BC Braids 90% Coverage	.520	13.20	75	78%	17.3	56.8	1	.1	.5
				1000	304.8	145.0	65.9											3.6	.3	1.0

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

Teflon is a DuPont trademark.  
Hypalon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Video Triax Cable

RG-11/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**14 AWG Solid .064" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)**

80°C	<b>8233</b>	—	500	152.4	63.0	28.6	14 AWG (solid)	.285	7.24	(2) BC Braids 95% Coverage	.475	12.07	75	84%	16.1	52.8	1	.2	.7
			1000	304.8	122.0	55.5	.064"			Inner: 2.5Ω/M'							3.6	.3	1.0
			2000	609.6	240.0	109.1	BC			Outer: 1.6Ω/M'							10	.4	1.3
							8.2Ω/km			5.3Ω/km							71.5	1.1	3.6
										1.4Ω/M'							135	1.5	4.9
										4.6Ω/km							270	2.3	7.5
																	360	2.7	8.9
																	540	3.5	11.5
																	720	4.2	13.8
																	750	4.3	14.1
																	1000	5.2	17.1
																	1500	7.1	23.3
																	2250	9.6	31.5
																	3000	12.0	39.4

Suitable for Outdoor and Direct Burial applications and Aerial when supported by a Messenger wire.

**Gas-injected Foam HDPE Insulation • Black PVC Jacket (PVC Insulation between Braids)**

75°C	<b>8233A</b>	NEC: —	1000	304.8	136.0	61.7	14 AWG (solid)	.285	7.24	(2) BC Braids 95% Coverage	.475	12.07	75	84%	16.1	52.8	1	.2	.7
		CMR	2000	609.6	266.0	120.7	.064"			Inner: 2.5Ω/M'							3.6	.3	1.0
		CEC: CMG FT4	4000†	1219.2	572.0	259.5	BC			Outer: 1.6Ω/M'							10	.4	1.3
							8.2Ω/km			5.3Ω/km							71.5	1.1	3.6
										1.4Ω/M'							135	1.5	4.9
										4.6Ω/km							270	2.3	7.5
																	360	2.7	8.9
																	540	3.5	11.5
																	720	4.2	13.8
																	750	4.3	14.1
																	1000	5.2	17.1
																	1500	7.1	23.3
																	2250	9.6	31.5
																	3000	12.0	39.4

Suitable for Aerial applications when supported by a Messenger wire and for Outdoor applications.

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (PE Insulation between Braids; Flooding Compound on Outer Braid)**

Flooded	<b>7803A</b>	—	500	152.4	64.0	29.1	14 AWG (solid)	.285	7.24	(2) BC Braids 95% Coverage	.475	12.07	75	84%	16.1	52.8	1	.2	.7
80°C			1000	304.8	123.0	55.9	.064"			Inner: 2.5Ω/M'							3.6	.3	1.0
			3000	914.4	381.0	173.2	BC			Outer: 1.6Ω/M'							10	.4	1.3
							8.2Ω/km			5.2Ω/km							71.5	1.1	3.6
										1.4Ω/M'							135	1.5	4.9
										4.6Ω/km							270	2.3	7.5
																	360	2.7	8.9
																	540	3.5	11.5
																	720	4.2	13.8
																	750	4.3	14.1
																	1000	5.2	17.1
																	1500	7.1	23.3
																	2250	9.6	31.5
																	3000	12.0	39.4

Suitable for Outdoor and Direct Burial applications and Aerial applications when supported by a Messenger wire.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • PE = Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

†Final put-up may vary ±10% from length shown.


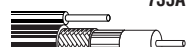









# DS-3 and DS-4 Interconnect and Cross-connect Cable

## 735A\* Series

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	Stand. Signal (Mb/s)	MHz	dB/ 100 Ft.

**26 AWG Solid .016" (.40mm) Silver-plated Copper Conductor(s) • Beldfoil® + Tinned Copper Braid Shield (93% Coverage)**

**Foam HDPE Insulation • Overall Gray PVC Jacket (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)**

	<b>735A1</b>	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	6.5 12.0	2.9 5.5	26 AWG (solid) .016" SPC 41.0Ω/M' 134.5Ω/km	.077	1.96	Beldfoil + 93% TC Braid 5.3Ω/M' 17.4Ω/km	.129	3.38	75	76%	17.7	58.0	2	1.0	.6	2.0
	For Plenum version see 735A1P.																				
	<b>735A1T</b>	NEC: CMR CEC: CMG FT4	1 w/T	500 1000	152.4 304.8	7.5 13.0	3.4 6.0	same as above	.077	1.96	same as above	.129	3.28	x	x	.203	5.16				
	PVC insulated tracer.																				
	<b>73502T</b> <small>new</small>	NEC: CMR CEC: CMG	2 w/T	500 1000	152.4 304.8	20.0 44.0	9.1 20.0	26 AWG (solid) .017" SPC 41.0Ω/M' 134.5Ω/km	.077	1.96	same as above	.179	4.55	x	x	.308	7.82				
	22 AWG stranded (7x30) tinned copper PVC insulated tracer.																				
	<b>735A2</b>	NEC: CMR CEC: CMG FT4	2	500† 1000†	152.4 304.8	14.0 26.0	6.4 11.8	26 AWG (solid) .016" SPC 41.0Ω/M' 134.5Ω/km	.077	1.96	same as above	.129	3.28	x	x	.258	6.55				
	Siamese versions bonded in parallel, feature zip cord design with printing on one leg. Suitable for Outdoor applications.																				
	<b>735A3</b>	NEC: CMR CEC: CMG FT4	3	500† 1000†	152.4 304.8	27.0 52.0	12.0 23.6	same as above	.077	1.96	same as above	.309	7.85								
	Coax OD: .129 3.28																				
	<b>735A6</b>	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	47.0 95.0	21.3 43.1	same as above	.077	1.96	same as above	.399	10.14								
	Coax OD: .129 3.28																				
	<b>735A8</b>	NEC: CMR CEC: CMG FT4	8	500† 1000	152.4 304.8	64.5 125.0	29.3 56.7	same as above	.077	1.96	same as above	.447	11.35								
	Coax OD: .129 3.28																				
	<b>735A9</b>	NEC: CMR CEC: CMG FT4	9	500† 1000†	152.4 304.8	77.0 133.0	34.9 60.5	same as above	.077	1.96	same as above	.484	12.29								
	Coax OD: .129 3.28																				
	<b>735A12</b>	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	94.5 187.0	43.0 85.0	same as above	.077	1.96	same as above	.581	14.76								
	Coax OD: .129 3.28																				
	<b>735A16</b>	NEC: CMR CEC: CMG FT4	16	500 1000	152.4 304.8	126.5 257.0	57.4 116.6	same as above	.077	1.96	same as above	.636	16.15								
	Coax OD: .129 3.28																				
	<b>735A24</b>	NEC: CMR CEC: CMG FT4	24	1000†	304.8	416.0	188.7	same as above	.077	1.96	same as above	.870	22.10								
	Coax OD: .129 3.28																				

100% Sweep tested.  
RL: 30dB min. at 15 MHz to 95 MHz.  
Non-plenum versions comply with Telcordia Specification GR-139-CORE.

**Plenum • Foam FEP Insulation • Gray Flamarrst® Jacket**

	<b>735A1P</b>	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	7.5 14.0	3.4 6.4	same as above	.077	1.96	same as above	.129	3.28	75	76%	17.7	58.1				(same as above)
	100% Sweep tested. RL: 30 dB min. at 15 MHz to 95 MHz.																				





DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • SPC = Silver-plated Copper • TC = Tinned Copper  
See chart on page 6.58 for maximum transmission distances.

\*Lucent Technologies reference specification. Belden equivalent. Minimum Return Loss @ 55 MHz to 95 MHz = -35dB.  
†Final put-ups may vary ±10% from length shown for spools or reels and ±5% for UnReel® cartons.



# DS-3 and DS-4 Interconnect and Cross-connect Cable

## 734A\* Series

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation				
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	Stand. Signal (Mb/s)	MHz	dB/100 Ft.	dB/100m	
<b>20 AWG Solid .032" (.81mm) Bare Copper Conductor(s) • Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (85% Coverage)</b> <b>Gas-injected FHDPE Insulation • Overall Gray PVC Jacket</b> (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)																						
	<b>734A1</b>	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	16.0 35.0	7.3 15.9	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.148 3.76	3.76	Beldfoil + 85% TC Braid 2.4Ω/M' 7.9Ω/km	.235 5.97	5.97	75	80%	16.8	55.1	2	CEPT-1 CEPT-2 10 20	1.0 .3 5.0 10.0	.3 1.0 .6 .8	1.0 1.0 2.0 2.6
		<b>734A6</b>	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	142.5 293.0	64.6 132.9	same as above	.148 Coax OD: .235	3.76	same as above	.772 19.61	19.61	100% Sweep tested. RL: 30dB min. at 15 MHz to 95 MHz.	Non-plenum versions comply with Telcordia Specification GR-139-CORE.	CEPT-3 DS-3 STS-1 89.472 100 CEPT-4 STS-3 200 DS-4 400	17.2 22.4 25.9 44.7 50.0 69.6 77.8 100.0 137.1 200.0	1.0 1.1 1.2 1.6 1.7 2.0 2.1 2.5 2.9 3.6	1.0 3.0 3.9 5.3 6.6 6.5 6.9 8.2 9.5 11.8		
		<b>734A12</b>	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	282.5 551.0	128.1 250.5	same as above	.148 Coax OD: .235	3.76	same as above	1.026 26.06	26.06								
	<b>Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket</b>																					
	<b>734A1P</b>	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	16.5 36.0	7.5 16.3	same as above	.148 3.76	3.76	same as above	.215 5.46	5.46	75	80%	17.3	56.8	(same as above)	100% Sweep tested. RL: 30dB min. at 15 MHz to 95 MHz.			

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FHDPE = Foam High-density Polyethylene • TC = Tinned Copper  
See chart on page 6.58 for maximum transmission distances.

\*Lucent Technologies reference specification. Belden equivalent.

# DS-3 and DS-4 Interconnect and Cross-connect Cable

## 734D\* Series

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	Stand. Signal (Mb/s)	MHz	dB/ 100 Ft.

**20 AWG Solid .032" (.81mm) Silver-plated Copper Conductor(s) • Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (85% Coverage)**

**Gas-injected FHDPE Insulation • Overall Gray PVC Jacket** (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)

	<b>734D1</b>	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	16.0 36.0	7.3 16.3	20 AWG (solid) .032" SPC 10.0Ω/M' 32.8Ω/km	.148	3.76	Beldfoil + 85% TC Braid 2.4Ω/M' 7.9Ω/km	.235	5.97	75	80%	16.8	55.1	2	1.0	.3	1.0
	<b>734D1T</b>	NEC: CMR CEC: CMG FT4	1 w/T	500 1000	152.4 304.8	17.5 39.0	7.9 17.7	same as above	.148	3.76	same as above	.235 x .309	5.97 x 7.85						CEPT-1 CEPT-2 10 20 CEPT-3 DS-3 STS-1 89.472 100 CEPT-4 STS-3 200 DS-4 400	1.0 4.2 5.0 10.0 17.2 22.4 25.9 44.7 50.0 69.6 77.8 100.0 137.1 200.0	.3 .5 .6 .8 1.0 1.1 1.2 1.6 1.7 2.0 2.1 2.5 2.9 3.6
PVC insulated trace.																					
	<b>734D2</b>	NEC: CMR CEC: CMG FT4	2	500 1000	152.4 304.8	35.5 66.0	16.1 29.9	same as above	.148	3.76	same as above	.235 x .485	5.97 x 12.32								
	Siamese versions bonded in parallel, feature zip cord design with printing on one leg.																				
	<b>734D2T</b>	NEC: CMR CEC: CMG FT4	2 w/T	500 † 1000 †	152.4 304.8	37.5 73.0	17.0 33.1	same as above	.148	3.76	same as above	.235 x .574	5.97 x 14.58								
	Siamese versions bonded in parallel, feature zip cord design with printing on one leg and PVC insulated tracer.																				
	<b>734D6</b>	NEC: CMR CEC: CMG FT4	6	500 † 1000 †	152.4 304.8	141.0 290.0	64.1 131.8	same as above	.148 Coax OD: .235	3.76 5.97	same as above	.772	19.61								
	<b>734D12</b>	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	284.5 555.0	129.3 252.3	same as above	.148 Coax OD: .235	3.76 5.97	same as above	1.026	26.06								

100% Sweep tested.  
RL: 30dB min. at 15 MHz to 95 MHz.

Non-plenum versions comply with  
Telcordia Specification GR-139-CORE.

### Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket

	<b>734D1P</b>	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	17.0 37.0	7.7 16.8	same as above	.148	3.76	same as above	.215	5.46	75	80%	17.3	56.7				(same as above)
	100% Sweep tested. RL: 30dB min. at 15 MHz to 95 MHz.																				

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FHDPE = Foam High-density Polyethylene • SPC = Silver-plated Copper • TC = Tinned Copper  
See chart on page 6.58 for maximum transmission distances.

\*Lucent Technologies reference specification. Belden equivalent. †Final put-ups may vary ±10% from length shown for spools or reels and ±5% for UnReel® cartons.

# DS-3 and DS-4 Interconnect and Cross-connect Cable

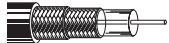
728A\* and 720A\* Series

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	Stand. Signal (Mb/s)	MHz	dB/ 100 Ft.

**20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

**Polyethylene Insulation • Gray PVC Jacket**

Double Braid 60°C VW-1	<b>9231</b> (728A*)	NEC: CMH CEC: CMH FT1	1	500 1000	152.4 304.8	39.0 76.0	17.7 34.5	20 AWG (solid) .031" BC 9.9Ω/M' 32.5Ω/km	.198 5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M' 3.6Ω/km	.305 7.75	75 66%	21.0 68.9	2	1.0 .3 1.0	CEPT-1 CEPT-2 10 20 CEPT-3 DS-3 STS-1 89.472 100 CEPT-4 STS-3 200 DS-4 400	1.0 .3 4.2 5.0 10.0 17.2 22.4 25.9 44.7 50.0 69.6 77.8 100.0 137.1 200.0	.3 1.0 .5 .6 .8 1.0 1.1 1.2 1.4 1.5 2.0 2.2 2.7 3.1 3.7	1.0 1.0 1.6 2.0 2.6 3.3 3.6 3.9 4.6 4.9 6.6 7.2 8.9 10.2 12.1
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Non-contaminating PVC jacket.  
Suitable for Outdoor applications and Aerial when supported by a Messenger wire.

**720A\* Series** Belden 720A Coaxial Cable Series is available by special request.  
Contact the Belden Customer Service Department for quotes. 1-800-BELDEN-1.

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper  
See table below for maximum transmission distances.  
\*Lucent Technologies reference specification. Belden equivalent.

## Maximum Transmission Distances for DS-3 and DS-4 Cable


Data Rates:	DS-3 (44.736 Mb/s)		STS-1 (51.86 Mb/s)		DS-4Na (CEPT-4) (139.264 Mb/s)		STS-3 (155.520 Mb/s)		DS-4 (274.176 Mb/s)	
	Belden Part No.	Interconnect	X-Connect	Interconnect	X-Connect	Interconnect	X-Connect	Interconnect	X-Connect	Interconnect
<b>735A Series and 7351AP</b>	225 ft. (68.6m)	21 ft. (6.4m)	210 ft. (64.0m)	20 ft. (6.1m)	125 ft. (38.1m)	13 ft. (4.0m)	120 ft. (36.6m)	11 ft. (3.4m)	90 ft. (27.4m)	8 ft. (2.4m)
<b>734A and 734D Series</b>	450 ft. (137.2m)	43 ft. (13.1m)	420 ft. (128.0m)	40 ft. (12.2m)	250 ft. (76.2m)	24 ft. (7.3m)	240 ft. (73.2m)	22 ft. (6.7m)	180 ft. (54.9m)	17 ft. (5.2m)
<b>734A1P and 734D1P</b>	435 ft. (132m)	43 ft. (13m)	410 ft. (125m)	40 ft. (12m)	240 ft. (73m)	24 ft. (7m)	225 ft. (68m)	22 ft. (8m)	170 ft. (52m)	17 ft. (5m)
<b>728A</b>	425 ft. (129.5m)	—	380 ft. (115.8m)	—	220 ft. (67.1m)	—	210 ft. (64.0m)	—	155 ft. (47.2m)	—
<b>720A Series</b>	225 ft. (68.6m)	25 ft. (7.6m)	230 ft. (70.1m)	23 ft. (7.0m)	140 ft. (42.7m)	14 ft. (4.3m)	130 ft. (39.6m)	13 ft. (4.0m)	100 ft. (30.5m)	9 ft. (2.7m)

DS = Digital Signal • STS = Synchronous Transmission Signal • CEPT = European Conference of Postal and Telecommunications Administrations  
Please note: The signal loss budget for individual installations will affect the exact transmission distance.




# Low Loss 50 Ohm Wireless RF Transmission Cable

RG-174 Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
<b>RG-174 Type • 25 AWG Solid .018" Bare Copper Conductor • Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)</b>																			
<b>Solid Polyethylene Insulation • Black PVC Jacket</b>																			
<b>RF100A</b> 80°C 	<b>7805</b>	—	100†	30.5	1.8	.8	25 AWG	.061	1.55	Beldfoil + 90% TC Braid 9.1Ω/M' 29.9Ω/km	.110	2.79	50	66%	31.2	102.4	30	3.8	12.4
			500	152.4	5.5	2.5	(solid)				50	4.9			16.1				
			1000	304.8	10.0	4.5	.018"				150	8.6			28.2				
							BC				220	10.4			34.2				
							3.2Ω/M'				450	15.2			49.9				
							10.5Ω/km				900	22.0			72.3				
											1500	28.7			94.3				
											1800	31.7			104.0				
											2000	33.4			109.7				
											2500	37.8			124.2				
							3000	42.0	137.8										
							4500	52.3	171.5										
							5800	60.9	199.8										
							6000	62.0	203.3										
100% Sweep tested. 6 GHz. Max. VSWR 1.25:1																			
Belden® The Wire in Wireless.																			
Mates with standard RG-174 connectors. Suitable for Aerial applications when supported by a Messenger wire.																			

**RG-174 Type • 24.5 AWG Solid .020" Bare Copper Conductor • Beldfoil + Tinned Copper Braid Shield (93% Coverage)**

<b>Foam HDPE Insulation • Gray PVC Jacket</b>																			
<b>RF100LL</b> 80°C 	<b>7805R</b>	NEC:	100†	30.5	1.8	.8	24.5 AWG	.060	1.52	Beldfoil + 93% TC Braid 9.3Ω/M' 30.5Ω/km	.110	2.79	50	73.5%	26.2	86.0	30	3.5	11.5
		CMR:	500	152.4	5.5	2.5	(solid)				50	4.6			15.0				
		CEC:	1000	304.8	10.0	4.5	.020"				150	8.0			26.1				
						BC			220		9.6	31.6							
						27.3Ω/M'			450		14.0	46.1							
						94.2Ω/km			900		20.2	66.4							
									1500		26.6	87.3							
									1800		29.5	96.7							
									2000		31.2	102.3							
									2500		35.4	116.3							
							3000	39.4	129.2										
							4500	50.0	164.2										
							5800	59.0	193.6										
							6000	60.6	198.7										
100% Sweep tested. 6 GHz. Max. VSWR 1.25:1																			
Belden® The Wire in Wireless.																			
Mates with standard RG-174 connectors.																			

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

†May contain more than one piece. Min. length of any one piece is 25 ft.

# Low Loss 50 Ohm Wireless RF Transmission Cable

RG-58 Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**RG-58 Type • 19 AWG Solid .037" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)**

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

RF195 80°C	7806A	—	500	152.4	14.5	6.6	19 AWG (solid) .037" BC 7.6Ω/M' 24.9Ω/km	.110	2.79	Duofoil + 90% TC Braid 4.2Ω/M' 13.8Ω/km	.195	4.95	50	77%	24.3	79.7	30	2.0	6.6																							
			1000	304.8	23.0	10.4											50	2.5	8.2	150	4.0	13.3	220	4.9	16.1	450	7.1	23.4	900	10.3	33.8	1500	13.7	44.8	1800	15.2	49.7	2000	16.1	52.8	2500	18.3



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard RG-58 connectors.\*  
Suitable for Outdoor and Direct Burial applications.

**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

RF195 80°C	7806R	NEC:	500	152.4	16.5	7.5	19 AWG (solid) .037" BC 7.6Ω/M' 24.9Ω/km	.110	2.79	Duofoil + 90% TC Braid 4.2Ω/M' 13.8Ω/km	.195	4.95	50	77%	24.3	79.7	30	2.0	6.6																								
		CMR:	1000	304.8	27.0	12.3											50	2.5	8.2	150	4.0	13.3	220	4.9	16.1	450	7.1	23.4	900	10.3	33.8	1500	13.7	44.8	1800	15.2	49.7	2000	16.1	52.8	2500	18.3	60.1



CMG FT4

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard RG-58 connectors.\*

**RG-58 Type • 17 AWG Solid .044" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

RF200 80°C	7807A	—	500	152.4	15.0	6.8	17 AWG (solid) .044" BC 3.3Ω/M' 10.9Ω/km	.116	2.95	Duofoil + 95% TC Braid 4.2Ω/M' 13.8Ω/km	.195	4.95	50	85%	23.5	77.1	30	1.6	5.4																							
			1000	304.8	24.0	10.9											50	2.1	7.0	150	3.7	12.1	220	4.5	14.6	450	6.5	21.2	900	9.2	30.1	1500	12.0	39.2	1800	13.2	43.2	2000	14.0	45.8	2500	15.7



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard Land Mobile Radio type connectors.\*  
Suitable for Outdoor and Direct Burial applications.

**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

RF200 80°C	7807R	NEC:	500	152.4	13.5	6.1	17 AWG (solid) .044" BC 3.3Ω/M' 10.9Ω/km	.116	2.95	Duofoil + 95% TC Braid 4.2Ω/M' 13.8Ω/km	.195	4.95	50	85%	23.5	77.1	30	1.6	5.4																								
		CMR:	1000	304.8	27.0	12.3											50	2.1	7.0	150	3.7	12.1	220	4.5	14.6	450	6.5	21.2	900	9.2	30.1	1500	12.0	39.2	1800	13.2	43.2	2000	14.0	45.8	2500	15.7	51.6



CMG FT4

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard Land Mobile Radio type connectors.\*

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.


# Low Loss 50 Ohm Wireless RF Transmission Cable

RG-8X Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**RG-8X Type • 15 AWG Solid .057" Bare Copper Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**


**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

RF240 80°C	7808A	—	500	152.4	18.0	8.2	15 AWG (solid) .057" BC 3.2Ω/M' 10.5Ω/km	.150	3.81	Duobond II* + 95% TC Braid 2.8Ω/M' 9.2Ω/km	.240	6.10	50	86%	23.0	75.5	30	1.3	4.1
			1000	304.8	39.0	17.7											50	1.6	5.3
																			
1500 9.1 30.0 1800 10.1 33.2 2000 10.7 35.0 2500 12.0 39.5 3000 13.4 43.9 4500 16.7 54.7 5800 19.5 64.0 6000 19.8 65.0																			

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard RG-8X connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.


**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

RF240 80°C	7808R	NEC:	500	152.4	20.0	9.1	15 AWG (solid) .057" BC 3.2Ω/M' 10.5Ω/km	.150	3.81	Duobond II* + 95% TC Braid 2.8Ω/M' 9.2Ω/km	.240	6.10	50	86%	23.0	75.5	30	1.3	4.1
		CMR:	1000	304.8	44.0	20.0											50	1.6	5.3
																			
150 2.8 9.3 220 3.4 11.1 450 4.9 16.1 900 7.0 22.9 1500 9.1 30.0 1800 10.1 33.2 2000 10.7 35.0 2500 12.0 39.5 3000 13.4 43.9 4500 16.7 54.7 5800 19.5 64.0 6000 19.8 65.0																			

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard RG-8X connectors.\*\*

**Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket**

RF240 80°C	7808WB	—	500	152.4	18.0	8.2	15 AWG (solid) .057" BC 3.2Ω/M' 10.5Ω/km	.150	3.81	Duobond II* + 95% TC Braid 2.8Ω/M' 9.2Ω/km	.240	6.10	50	86%	23.0	75.5	30	1.3	4.1
			1000	304.8	39.0	17.7											50	1.6	5.3
																			
150 2.8 9.3 220 3.4 11.1 450 4.9 16.1 900 7.0 22.9 1500 9.1 30.0 1800 10.1 33.2 2000 10.7 35.0 2500 12.0 39.5 3000 13.4 43.9 4500 16.7 54.7 5800 19.5 64.0 6000 19.8 65.0																			

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard RG-8X connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

\*\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.


# Low Loss 50 Ohm Wireless RF Transmission Cable

Intermediate Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Intermediate Type • 13 AWG Solid .072" Bare Copper Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**


**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

RF300 80°C	7809A	—	500	152.4	30.5	13.9	13 AWG (solid) .072" BC 2.1Ω/M' 6.9Ω/km	.190	4.83	Duobond II* + 95% TC Braid BC 2.4Ω/M' 7.8Ω/km	.300	7.62	50	86%	23.0	75.5	30	1.0	3.4
			1000	304.8	58.0	26.3											50	1.3	4.2
																	150	2.2	7.3
																	220	2.7	8.9
																	450	3.9	12.9
																	900	5.6	18.3
																	1500	7.3	24.0
																	1800	8.1	26.5
																	2000	8.6	28.2
																	2500	9.7	31.9
																	3000	10.8	35.4
																	4500	13.5	44.4
5800	15.8	51.8																	
6000	16.0	52.6																	

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with Land Mobile Radio type connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.

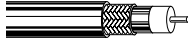
**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

RF300 80°C	7809R	NEC:	500	152.4	34.0	15.5	13 AWG (solid) .072" BC 2.1Ω/M' 6.9Ω/km	.190	4.83	Duobond II* + 95% TC Braid BC 2.4Ω/M' 7.8Ω/km	.300	7.62	50	86%	23.0	75.5	30	1.0	3.4
		CMR:	1000	304.8	65.0	29.5											50	1.3	4.2
																	150	2.2	7.3
																	220	2.7	8.9
																	450	3.9	12.9
																	900	5.6	18.3
																	1500	7.3	24.0
																	1800	8.1	26.5
																	2000	8.6	28.2
																	2500	9.7	31.9
																	3000	10.8	35.4
																	4500	13.5	44.4
5800	15.8	51.8																	
6000	16.0	52.6																	

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with Land Mobile Radio type connectors.\*\*

**Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket**

RF300 80°C	7809WB	—	500	152.4	30.5	13.9	13 AWG (solid) .072" BC 2.1Ω/M' 6.9Ω/km	.190	4.83	Duobond II* + 95% TC Braid BC 2.4Ω/M' 7.8Ω/km	.300	7.62	50	86%	23.0	75.5	30	1.0	3.4
			1000	304.8	58.0	26.3											50	1.3	4.2
																	150	2.2	7.3
																	220	2.7	8.9
																	450	3.9	12.9
																	900	5.6	18.3
																	1500	7.3	24.0
																	1800	8.1	26.5
																	2000	8.6	28.2
																	2500	9.7	31.9
																	3000	10.8	35.4
																	4500	13.5	44.4
5800	15.8	51.8																	
6000	16.0	52.6																	

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with Land Mobile Radio type connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

\*\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.


# Low Loss 50 Ohm Wireless RF Transmission Cable

## RG-8 Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**RG-8 Type • 10 AWG Solid .108" Bare Copper-covered Aluminum Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**


**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

RF400 80°C	7810A	—	500	152.4	42.5	19.3	10 AWG (solid) .108" BCCA 1.34Ω/M' 4.4Ω/km	.285	7.24	Duobond II* + 95% TC Braid 2.0Ω/M' 9.2Ω/km	.403	10.23	50	86%	23.0	75.5	30	.7	2.1
			1000	304.8	86.0	39.0											50	.9	2.8
																	150	1.5	4.9
																	220	1.8	6.0
																	450	2.7	8.8
																	900	3.8	12.6
																	1500	5.1	16.6
																	1800	5.6	18.5
																	2000	6.0	19.6
																	2500	6.7	22.0
																	3000	7.5	24.4
																	4500	9.5	31.1
5800	11.1	36.4																	
6000	11.4	37.3																	

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with 9913 and Land Mobile Radio type connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.

**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

RF400 80°C	7810R*	NEC:	500	152.4	47.0	21.3	10 AWG (solid) .108" BCCA 1.34Ω/M' 4.4Ω/km	.285	7.24	Duobond II* + 95% TC Braid 2.0Ω/M' 9.2Ω/km	.403	10.23	50	86%	23.0	75.5	30	.7	2.1
		CMR:	1000	304.8	79.0	35.8											50	.9	2.8
																	150	1.5	4.9
																	220	1.8	6.0
																	450	2.7	8.8
																	900	3.8	12.6
																	1500	5.1	16.6
																	1800	5.6	18.5
																	2000	6.0	19.6
																	2500	6.7	22.0
																	3000	7.5	24.4
																	4500	9.5	31.1
5800	11.1	36.4																	
6000	11.4	37.3																	

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with 9913 and Land Mobile Radio type connectors.\*\*  
Suitable for Outdoor applications.

**Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket**

RF400 80°C	7810WB	—	500	152.4	39.5	17.9	10 AWG (solid) .108" BCCA 1.34Ω/M' 4.4Ω/km	.285	7.24	Duobond II* + 95% TC Braid 2.0Ω/M' 9.2Ω/km	.403	10.23	50	86%	23.0	75.5	30	.7	2.1
			1000	304.8	80.0	36.3											50	.9	2.8
																	150	1.5	4.9
																	220	1.8	6.0
																	450	2.7	8.8
																	900	3.8	12.6
																	1500	5.1	16.6
																	1800	5.6	18.5
																	2000	6.0	19.6
																	2500	6.7	22.0
																	3000	7.5	24.4
																	4500	9.5	31.1
5800	11.1	36.4																	
6000	11.4	37.3																	

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with 9913 and Land Mobile Radio type connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.

BCCA = Bare Copper-covered Aluminum • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

\*\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.




# Low Loss 50 Ohm Wireless RF Transmission Cable

Series RF500

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**7 AWG Solid .142" Bare Copper-covered Aluminum Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)**


**Foam HDPE Insulation • Black Polyethylene Jacket**

80°C 	<b>7976A</b> <small>new</small>	—	500	152.4	56.0	25.4	7 AWG (solid) .142" BCCA .8Ω/M' 2.7Ω/km	.370	9.40	Duobond II* + 90% TC Braid 1.6Ω/M' 5.3Ω/km	.500	12.70	50	84%	25.1	82.4	30	.6	1.8
			1000	304.8	108.0	49.0											50	.7	2.4
	150	1.2	3.9																
	220	1.5	4.9																
	450	2.2	7.2																
	900	3.2	10.5																
	1500	4.2	13.8																
	1800	4.7	15.4																
	2000	5.0	16.4																
	2500	5.7	18.7																
	3000	6.3	20.7																
	3500	6.9	22.6																
	4500	8.0	26.2																
5800	9.3	30.5																	
6000	9.5	31.2																	

100% Sweep tested.  
Belden® The Wire in Wireless.

Suitable for Outdoor applications and Aerial applications when supported by a Messenger wire.


**Foam HDPE Insulation • Black PVC Jacket**

80°C 	<b>7976R</b> <small>new</small>	NEC:	500	152.4	67.5	30.6	7 AWG (solid) .142" BCCA .8Ω/M' 2.7Ω/km	.370	9.40	Duobond II* + 90% TC Braid 1.6Ω/M' 5.3Ω/km	.500	12.70	50	84%	25.1	82.4	30	.6	1.8
		CMR:	1000	304.8	131.0	59.5											50	.7	2.4
	CEC:					150											1.2	3.9	
	CMG FT4					220											1.5	4.9	
						450											2.2	7.2	
						900											3.2	10.5	
						1500											4.2	13.8	
						1800											4.7	15.4	
						2000											5.0	16.4	
						2500											5.7	18.7	
						3000											6.3	20.7	
						3500											6.9	22.6	
						4500											8.0	26.2	
					5800	9.3	30.5												
					6000	9.5	31.2												

100% Sweep tested.  
Belden® The Wire in Wireless.

Suitable for Outdoor applications and Aerial applications when supported by a Messenger wire.

**Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket**

80°C 	<b>7976WB</b> <small>new</small>	—	500	152.4	56.5	25.7	7 AWG (solid) .142" BCCA .8Ω/M' 2.7Ω/km	.370	9.40	Duobond II* + 90% TC Braid 1.6Ω/M' 5.3Ω/km	.500	12.70	50	84%	25.1	82.4	30	.6	1.8
			1000	304.8	109.0	49.9											50	.7	2.4
	150	1.2	3.9																
	220	1.5	4.9																
	450	2.2	7.2																
	900	3.2	10.5																
	1500	4.2	13.8																
	1800	4.7	15.4																
	2000	5.0	16.4																
	2500	5.7	18.7																
	3000	6.3	20.7																
	3500	6.9	22.6																
	4500	8.0	26.2																
5800	9.3	30.5																	
6000	9.5	31.2																	

100% Sweep tested.  
Belden® The Wire in Wireless.

Suitable for Outdoor and Direct Burial applications and Aerial applications when supported by a Messenger wire.

BCCA = Bare Copper-covered Aluminum • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).


# Low Loss 50 Ohm Wireless RF Transmission Cable

Series RF600

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**5.5 AWG Solid .176" Bare Copper-covered Aluminum Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (85% Coverage)**


**Foam HDPE Insulation • Black Polyethylene Jacket**

80°C <b>7977A</b> new 	—	500	152.4	73.5	33.4	5.5 AWG (solid)	.455	11.56	Duobond II* + 85% TC Braid	.590	14.99	50	85%	24.6	80.7	30	.5	1.5								
																1000	304.8	145.0	65.8	.176"	BCCA	1.8Ω/M'	5.9Ω/km	50	.6	2.0
																					.5Ω/M'			150	1.0	3.2
																					1.7Ω/km			220	1.2	3.9
																								450	1.7	5.6
																								900	2.5	8.3
																								1500	3.4	11.2
																								1800	3.8	12.4
																								2000	4.0	13.2
																								2500	4.6	15.0
																								3000	5.1	16.6
																								3500	5.6	18.2

100% Sweep tested.  
Belden® The Wire in Wireless.

Suitable for Outdoor applications and Aerial applications when supported by a Messenger wire.


**Foam HDPE Insulation • Black PVC Jacket**

80°C <b>7977R</b> new 	NEC: CMR CEC: CMG FT4	500	152.4	89.5	40.6	5.5 AWG (solid)	.455	11.56	Duobond II* + 85% TC Braid	.590	14.99	50	84%	24.6	80.7	30	.5	1.5								
																1000	304.8	173.0	78.5	.176"	BCCA	1.8Ω/M'	5.9Ω/km	50	.6	2.0
																					.5Ω/M'			150	1.0	3.2
																					1.7Ω/km			220	1.2	3.9
																								450	1.7	5.6
																								900	2.5	8.3
																								1500	3.4	11.2
																								1800	3.8	12.4
																								2000	4.0	13.2
																								2500	4.6	15.0
																								3000	5.1	16.6
																								3500	5.6	18.2

100% Sweep tested.  
Belden® The Wire in Wireless.

Suitable for Outdoor applications and Aerial applications when supported by a Messenger wire.

**Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket**

80°C <b>7977WB</b> new 	—	500	152.4	74.0	33.6	5.5 AWG (solid)	.455	11.56	Duobond II* + 85% TC Braid	.590	14.99	50	85%	24.6	80.7	30	.5	1.5								
																1000	304.8	146.0	66.3	.176"	BCCA	1.8Ω/M'	5.9Ω/km	50	.6	2.0
																					.5Ω/M'			150	1.0	3.2
																					1.7Ω/km			220	1.2	3.9
																								450	1.7	5.6
																								900	2.5	8.3
																								1500	3.4	11.2
																								1800	3.8	12.4
																								2000	4.0	13.2
																								2500	4.6	15.0
																								3000	5.1	16.6
																								3500	5.6	18.2

100% Sweep tested.  
Belden® The Wire in Wireless.

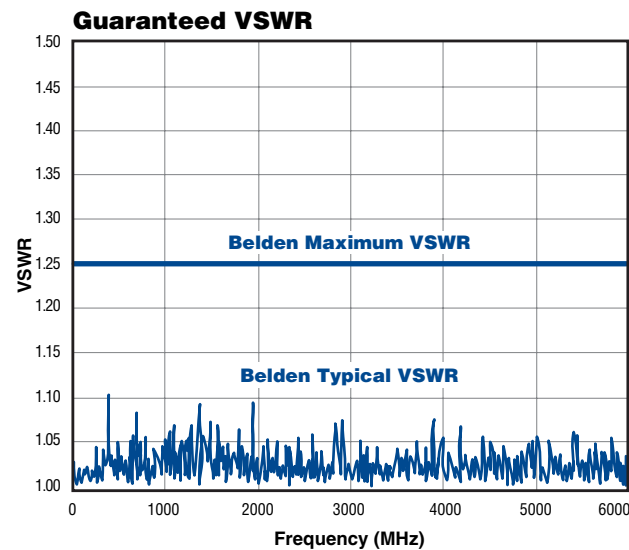
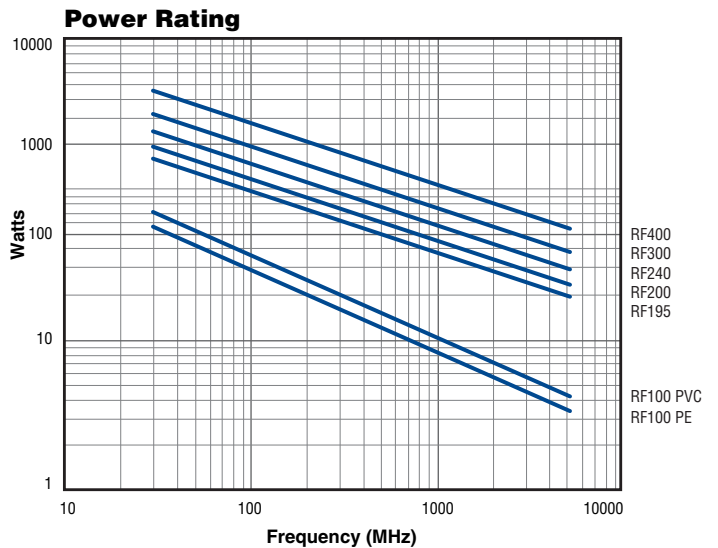
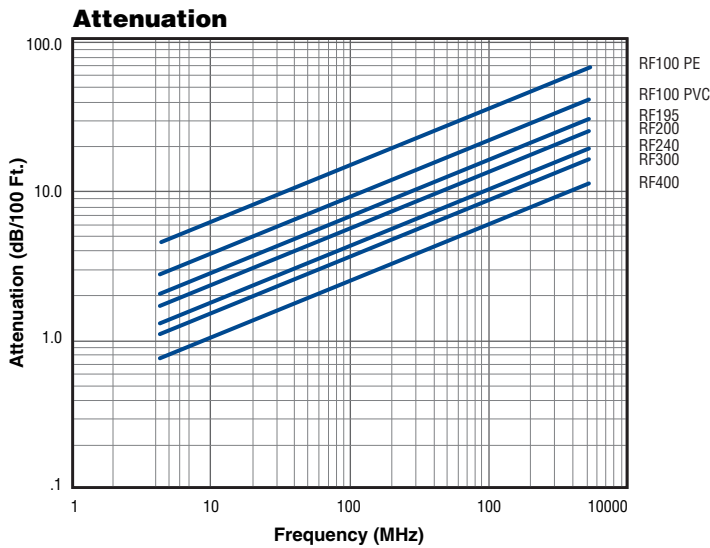
Suitable for Outdoor and Direct Burial applications and Aerial applications when supported by a Messenger wire.

BCCA = Bare Copper-covered Aluminum • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Low Loss 50 Ohm Wireless RF Transmission Coax

## Electrical Characteristics



Voltage Standing Wave Ratio is a measurement of the reflected power in a cable or instrument. The higher the VSWR the poorer the transmission characteristics of the cable.

### Phase Stability

Phase Attribute	Typical Range (0.45 GHz to 6.0 GHz)	
	ppm/°C	Degree/GHz/m

Temperature (-40°C to +85°C) <sup>1</sup>	±9	±0.6
Bending & Flexing (25 cycles) <sup>2</sup>	NA	±1.1

1: Per IEC 60966-1 clause 8.8  
2: Per IEC 60966-1 clause 8.6

### RG Cable Replacement Guide

Part Number	Size	Replacing
7805	RF100A	RG-174/U
7805R	RF100LL	RG-174/U
7806A	RF195	RG-58/U
7807A	RF200	RG-58/U
7808A	RF240	RG-8X
7809A	RF300	RG-8X
7810A	RF400	RG-8U

# 50 Ohm Transmission and Computer Cable

RG-188A/U, RG-174/U and RG-58/U Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**RG-174/U Type • 26 AWG** Stranded (7x34) .019" Bare Copper-covered Steel Conductor • Tinned Copper Braid Shield (90% Coverage)

**Polyethylene Insulation • Black PVC Jacket**

UL AWM Style 1354 (30V 75°C)	<b>8216</b>	—	100	30.5	1.1	.5	26 AWG (7x34)	.060	1.52	TC Braid	.110	2.79	50	66%	30.8	101.0	1	1.9	6.2
			500	152.4	5.0	2.3				90% Shield							10	3.3	10.8
			1000††	304.8	9.0	4.1	.019"			Coverage							50	5.8	19.0
							BCCS			10.7Ω/M'							100	8.4	27.6
							97.0Ω/M'			35.1Ω/km							200	12.5	41.0
							318.2Ω/km										400	19.0	62.3
																	700	27.0	88.6
																	900	31.0	101.7
																	1000	34.0	111.5



**RG-188A/U Type • 26 AWG** Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • SPC Braid Shield (96% Coverage)

**TFE Teflon® Insulation • White TFE Tape Jacket**

200°C VW-1	<b>83269</b>	—	100†	30.5	2.0	.9	26 AWG (7x34)	.058	1.47	SPC Braid	.098	2.49	50	69.5%	29.0	95.1	1	1.2	3.9
			500†	152.4	6.5	2.9	.020"			96% Shield							10	2.7	8.9
			1000†	304.8	12.0	5.5				Coverage							50	5.6	18.4
							SCCCS			8.5Ω/M'							100	8.3	27.2
							91.2Ω/M'			27.9Ω/km							200	12.0	39.4
							299.2Ω/km										400	17.5	57.4
																	700	23.7	77.8
																	900	27.3	89.6
																	1000	29.0	95.1

MIL-C-17D

**RG-58/U Type • 20 AWG** Solid .033" Bare Copper Conductor • Bare Copper Braid Shield (78% Coverage)

**Polyethylene Insulation • Black PVC Jacket**

80°C	<b>9201</b>	—	U-500	U-152.4	13.0	5.9	20 AWG (solid)	.116	2.95	BC Braid	.193	4.90	51.5	66%	28.5	93.5	1	.3	1.1
			500	152.4	11.5	5.2	.033"			78% Shield							10	1.1	3.6
			U-1000	U-304.8	25.0	11.4				Coverage							50	2.5	8.2
			1000	304.8	23.0	10.4	BC			5.5Ω/M'							100	3.8	12.5
							10.0Ω/M'			18.0Ω/km							200	5.6	18.4
							33.1Ω/km										400	8.4	27.6
																	700	11.7	38.4
																	900	13.7	44.9
																	1000	14.5	47.6

**RG-58/U Type • 20 AWG** Solid .033" Bare Copper Conductor • Duobond® II + Tinned Copper Braid Shield (55% Coverage)

**Polyethylene Insulation • Black PVC Jacket**

UL AWM Style 1354 (30V 60°C)	<b>9310**</b>	—	500	152.4	10.5	4.8	20 AWG (solid)	.114	2.90	Duobond II* + 55%	.193	4.90	50	66%	30.8	101.0	1	.5	1.5
			U-1000	U-304.8	22.0	10.0	.033"			TC Braid							10	1.4	4.6
			1000	304.8	21.0	9.5				Coverage							50	2.8	9.2
							BC			8.0Ω/M'							100	3.8	12.5
							9.4Ω/M'			24.4Ω/km							200	5.4	17.7
							28.6Ω/km										400	7.9	25.9
																	700	11.1	36.4
																	900	12.8	42.0
																	1000	13.9	45.6

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SCCCS = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper • TC = Tinned Copper • TFE = Tetra Fluoroethylene  
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

\*\*See Belden's website, [www.belden.com](http://www.belden.com), for connector information.

† May contain more than one piece, min. length of any one piece is 25 ft.

†† May contain more than one piece, min. length of any one piece is 100 ft. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# 50 Ohm Transmission and Computer Cable

## RG-58A/U Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**RG-58A/U Type • 20 AWG** Stranded (19x32) .037" Tinned Copper Conductor • Tinned Copper Braid Shield (96% Coverage)

**Foam Polyethylene Insulation • Black or White PVC Jacket**

UL AWM Style 1354 (30V 80°C)	<b>8219</b>	NEC: CM CEC: CM	U-500 500▲	U-152.4 152.4	13.5 13.0	6.1 6.0	20 AWG (19x32) .037"	.114	2.90	TC Braid 96% Shield Coverage	.194	4.93	53.5	73%	26.5	86.9	1	.4	1.2	4.3	10.2	14.8	21.7	32.8	46.6	54.5	59.4						
																100	4.5	14.8	200	6.6	21.7	400	10.0	32.8	700	14.2	46.6	900	16.6	54.5	1000	18.1	59.4

P-MSHA • SC-182/5\*\*  
\*500 ft. and U-1000 ft. put-ups available in Black only. Black jacket suitable for Aerial (when supported by a messenger) and Outdoor applications.

**RG-58A/U Type • 20 AWG** Stranded (19x32) .037" Tinned Copper Conductor • Duobond® II\* + Tinned Copper Braid Shield (55% Coverage)

**Foam Polyethylene Insulation • Black PVC Jacket**

UL AWM Style 1354 (30V 80°C)	<b>9311**</b>	NEC: CM CEC: CM	500 U-1000	152.4 U-304.8	10.5 23.0	4.8 10.5	20 AWG (19x32) .037"	.114	2.90	Duobond II* + 55% TC Braid	.193	4.90	52	75%	26.0	85.3	1	.5	1.6	4.9	9.5	13.1	18.7	27.9	40.0	47.6	51.8												
																10	1.5	4.9	50	2.9	9.5	100	4.0	13.1	200	5.7	18.7	400	8.5	27.9	700	12.2	40.0	900	14.5	47.6	1000	15.8	51.8

**RG-58A/U Type • 20 AWG** Stranded (19x33) .035" Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

**Polyethylene Insulation • Black PVC Jacket**

75°C	<b>8259</b>	—	100	30.5	3.5	1.6	20 AWG (19x33) .035"	.116	2.95	TC Braid 95% Shield Coverage	.192	4.88	50	66%	30.8	101.0	1	.4	1.4	4.9	12.1	17.7	26.6	40.7	58.1	69.2	74.8												
																10	1.5	4.9	50	3.7	12.1	100	5.4	17.7	200	8.1	26.6	400	12.4	40.7	700	17.7	58.1	900	21.1	69.2	1000	22.8	74.8

Suitable for Aerial (when supported by a messenger) and Outdoor applications.

**RG-58A/U Type • 20 AWG** Solid Bare Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

**Polyethylene Insulation • Black PVC Jacket**

UL AWM Style 1354 (30V 80°C) VW-1	<b>8240</b>	NEC: CMX CEC: CMX	100 U-500	30.5 U-152.4	3.6 14.0	1.6 6.4	20 AWG (solid) .033"	.116	2.95	TC Braid 95% Shield Coverage	.193	4.90	51.5	66%	28.5	93.5	1	.3	1.1	3.6	8.2	12.5	18.4	27.6	38.4	44.9	47.6												
																10	1.1	3.6	50	2.5	8.2	100	3.8	12.5	200	5.6	18.4	400	8.4	27.6	700	11.7	38.4	900	13.7	44.9	1000	14.5	47.6

Suitable for Aerial (when supported by a messenger) and Outdoor applications.

**Plenum • FEP Teflon® Insulation • Black FEP Teflon Jacket**

200°C	<b>88240</b>	NEC: CMP CEC: CMP FT6	500† 1000†	152.4 304.8	12.0 24.0	5.4 10.9	20 AWG (solid) .032"	.107	2.72	TC Braid 95% Shield Coverage	.159	4.04	53.5	69.5%	26.4	86.6	1	.5	1.6	3.9	9.8	14.2	21.0	31.7	45.0	52.8	56.6												
																10	1.2	3.9	50	3.0	9.8	100	4.3	14.2	200	6.4	21.0	400	9.7	31.7	700	13.7	45.0	900	16.1	52.8	1000	17.3	56.6

**Plenum • FEP Teflon Insulation • Natural Flammarrest® Jacket**

75°C	<b>82240</b>	NEC: CMP CEC: CMP FT6	U-500† U-1000†	U-152.4 U-304.8	13.5 26.0	6.1 11.8	20 AWG (solid) .032"	.107	2.72	TC Braid 95% Shield Coverage	.159	4.04	53.5	69.5%	26.4	86.6	1	.5	1.6	3.9	9.8	14.2	21.0	31.7	45.0	52.8	56.6												
																10	1.2	3.9	50	3.0	9.8	100	4.3	14.2	200	6.4	21.0	400	9.7	31.7	700	13.7	45.0	900	16.1	52.8	1000	17.3	56.6

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

\*\*Pennsylvania Department of Environmental Resource and United States Mine Safety and Health Administration certification.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotation of RG/U cables not listed.

See Belden's website, [www.belden.com](http://www.belden.com), for connector information.

Teflon is a DuPont trademark.

# 50 Ohm Transmission and Computer Cable

## RG-8X and RG-8/U Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**RG-8X Type • 16 AWG** Stranded (19x29) .058" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

**Gas-injected FPE Insulation • Black PVC Jacket**

UL AWM	<b>9258</b>	NEC:	U-500	U-152.4	20.0	9.1	16 AWG	.155	3.94	BC Braid	.242	6.15	50	82%	24.8	75.6	1	.3	1.0
Style 1354		CM	500	152.4	18.5	8.4	(19x29)			95% Shield							10	.9	3.0
(30V 80°C)		CEC:	U-1000	U-304.8	39.0	17.7	.058"			Coverage							50	2.1	6.9
		CM	1000	304.8	40.0	18.2	BC			3.3Ω/M'							100	3.1	10.2
							4.3Ω/M'			10.8Ω/km							200	4.5	14.8
						14.1Ω/km										400	6.6	21.7	
																700	9.1	29.9	
																900	10.7	35.1	
																1000	11.2	36.7	

\*1000 ft. put-up also available in White.  
Suitable for Outdoor and Aerial applications.

**RG-8/U Type • 13 AWG** Stranded (7x21) .085" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

**Polyethylene Insulation • Black PVC Jacket**

75°C	<b>8237</b>	NEC:	100	30.5	13.6	6.2	13 AWG	.285	7.24	BC Braid	.405	10.29	52	66%	28.5	93.5	1	.2	.5
		CMH	500	152.4	58.0	26.3	(7x21)			97% Shield							10	.6	1.8
		CEC:	1000	304.8	114.0	51.7	.085"			Coverage							50	1.3	4.3
		CMH FT1					BC			1.2Ω/M'							100	1.9	6.2
							1.9Ω/M'			3.9Ω/km							200	2.8	9.2
						6.2Ω/km										400	4.2	13.8	
																700	5.9	19.4	
																900	6.9	22.6	
																1000	7.4	24.3	
																4000	23.2	76.1	

JAN-C-17A  
Suitable for Outdoor and Aerial applications.

**Polyethylene Insulation • Black Non-contaminating PVC Jacket**

UL AWM	<b>9251</b>	NEC:	500	152.4	58.0	26.3	13 AWG	.285	7.24	BC Braid	.405	10.29	52	66%	28.5	93.5	1	.2	.5
Style 1354		CMX	1000	304.8	115.0	52.3	(7x21)			97% Shield							10	.6	1.8
(30V 60°C)		CEC:					.085"			Coverage							50	1.3	4.3
		CMX					BC			1.2Ω/M'							100	1.9	6.2
							1.9Ω/M'			3.9Ω/km							200	2.8	9.2
						6.2Ω/km										400	4.2	13.8	
																700	5.9	19.4	
																900	6.9	22.6	
																1000	7.4	24.3	
																4000	23.2	76.1	

MIL-C-17D

**RG-8/U Type • 11 AWG** Stranded (7x19) .108" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

**Foam Polyethylene Insulation • Black PVC Jacket**

UL AWM	<b>8214</b>	NEC:	100	30.5	14.2	6.5	11 AWG	.285	7.24	BC Braid	.403	10.24	50	78%	26	85.3	1	.1	.5
Style 1354		CM	500	152.4	61.0	27.7	(7x19)			97% Shield							10	.5	1.7
(30V 80°C)		CEC:	1000	304.8	121.0	55.0	.108"			Coverage							50	1.2	3.9
		CM					BC			1.1Ω/M'							100	1.7	5.6
							1.2Ω/M'			3.6Ω/km							200	2.6	8.5
						3.9Ω/km										400	3.9	12.8	
																700	5.6	18.4	
																900	6.5	21.3	
																1000	7.0	23.0	
																4000	21.5	70.5	

Suitable for Outdoor and Aerial applications.

BC = Bare Copper • DCR = DC Resistance • FPE = Foam Polyethylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.

# 50 Ohm Transmission and Computer Cable

## RG-8/U Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**RG-8/U Type • 10 AWG Solid .108" Bare Copper Conductor • Duobond® II + Tinned Copper Braid Shield (90% Coverage)**

<b>Semi-solid Polyethylene Insulation • Black PVC Jacket</b>																						
<b>Low Loss</b> 80°C	<b>9913</b>	—	100	30.5	14.2	6.4	10 AWG	.286	7.26	Duobond II*	.405	10.29	50	84%	24.6	80.7	1	.3	1.0			
			250	76.2	31.8	14.4	(solid)			+ 90%								10	.5	1.7		
			500	152.4	57.0	25.9	.108"			TC Braid									50	1.0	3.3	
			1000	304.8	116.0	52.6	BC			1.8Ω/M'									100	1.4	4.6	
							.9Ω/M'			5.9Ω/km										200	1.8	6.0
							3.0Ω/km													400	2.6	8.5

For Plenum version of 9913, see 89913.

Suitable for Outdoor and Aerial applications.

<b>Plenum • Semi-solid FEP Insulation • Black Fluorocopolymer Jacket</b>																						
<b>150°C</b>	<b>89913</b>	NEC: CMP CEC: CMP FT6	500†	152.4	63.0	28.6	10 AWG	.295	7.49	Duobond II*	.364	9.25	50	83%	25.0	82.0	1	.1	.3			
			1000†	304.8	128.0	58.2	(solid)			+ 90%									10	.4	1.3	
							.108"			TC Braid										50	1.0	3.3
							BC			1.8Ω/M'										100	1.6	5.2
							.9Ω/M'			5.9Ω/km										200	2.3	7.5
							3.0Ω/km													400	3.4	11.1

**RG-8/U Type • 10 AWG Stranded (7x19) .108" Bare Copper Conductor • Duobond II + Tinned Copper Braid Shield (95% Coverage)**

<b>Gas-injected Foam HDPE Insulation • Matte Black Belflex® Jacket</b>																							
<b>Low Loss</b> 80°C	<b>9913F7</b>	—	100	30.5	12.5	5.7	10 AWG	.285	7.24	Duobond II*	.405	10.29	52	85%	22.5	80.7	1	.4	1.3				
			250	76.2	27.8	12.6	(7x19)			+ 95% TC									10	.6	2.0		
			500	152.4	52.5	23.8	.108"			Braid										50	1.1	3.6	
			1000	304.8	104.0	47.2	BC			1.8Ω/M'										100	1.5	4.9	
							1.1Ω/M'			5.9Ω/km											200	2.0	6.6
							3.7Ω/km														400	3.0	9.8

Suitable for Outdoor and Aerial applications.

**RG-8/U Type • 10 AWG Solid .103" Bare Copper Conductor • Duobond II + Tinned Copper Braid Shield (95% Coverage)**

<b>Gas-injected Foam HDPE Insulation • Black PVC Jacket</b>																							
<b>Low Loss</b> UL AWM Style 1354 (30V 80°C)	<b>9914</b>	NEC: CMG CEC: CMG FT4	500	152.4	56.0	25.4	10 AWG	.285	7.24	Duobond II*	.403	10.24	50	82%	24.8	81.4	1	.4	1.3				
			1000	304.8	114.0	51.7	(solid)			+ 95%										10	.5	1.7	
							.103"			TC Braid											50	1.0	3.3
							BC			1.1Ω/M'											100	1.4	4.6
							1.8Ω/M'			3.6Ω/km											200	1.8	6.0
							3.9Ω/km														400	2.6	8.5

Suitable for Outdoor and Aerial applications.

**RG-8/U Type • 10 AWG Solid .108" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)**

<b>Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket</b>																							
<b>Low Loss</b> 125°C	<b>7733A</b>	NEC: CMP CEC: CMP FT6	500	152.4	53.5	24.3	10 AWG	.280	7.11	Duofoil	.355	9.01	50	84%	24.2	79.4	1	.1	.3				
			1000	304.8	105.0	47.7	(solid)			+ 90%										10	.4	1.3	
							.108"			TC Braid											50	1.1	3.6
							BC			1.8Ω/M'											100	1.5	4.9
							.9Ω/M'			5.9Ω/km											200	2.1	6.9
							3.0Ω/km														400	3.2	10.5

Suitable for Outdoor and Aerial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

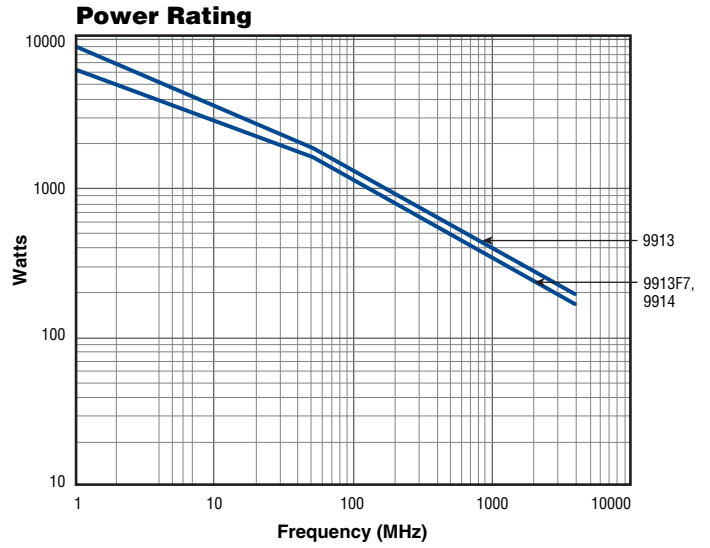
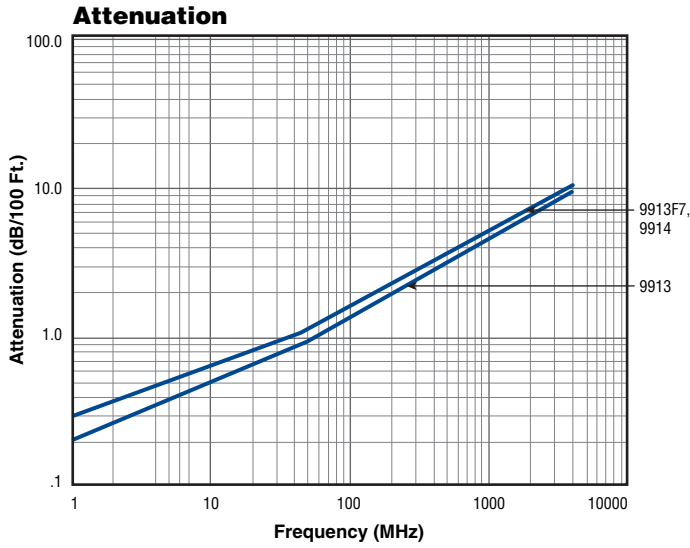
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

\*Duobond II = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage).

†Spools are one piece, but length may vary ±10% from length shown.

# 50 Ohm Transmission Cable

Electrical Characteristics of 9913, 9913F7 and 9914







# Conformable® Coax Cable

## 50 Ohm Microwave Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**RG-402/U Type • 19 AWG Solid .036" Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)**

<b>TFE Teflon® Insulation • Unjacketed</b>																			
UL AWM	1673A*	—	50	15.2	3.3	1.5	19 AWG	.116	2.95	CT	.138	3.51	50	69.5%	29.5	96.8	500	8.0	26.2
Style 10245 (30V 105°C)			100	30.5	3.9	1.8	(solid)			Composite							1000	12.0	39.4
			250†	76.2	8.0	3.6	.036"			100% Shield							2000	18.1	59.4
			500	152.4	15.0	6.8	SPCCS			Coverage							3000	22.9	75.1
							20.5Ω/M'			4.5Ω/M'							5000	31.0	101.7
							67.3Ω/km			14.8Ω/km							7000	37.8	124.0
																	10000	46.6	152.9
																	15000	59.1	193.9
																	18000	65.8	215.9
																	20000	70.0	229.7



**TFE Teflon Insulation • Black PVC Jacket**

UL AWM	1673J*	—	100	30.5	5.1	2.3	19 AWG	.116	2.95	CT	.178	4.52	50	69.5%	29.5	96.8	500	8.0	26.2
Style 10245 (30V 105°C)			500†	152.4	17.5	8.0	(solid)			Composite							1000	12.0	39.4
							.036"			100% Shield							2000	18.1	59.4
							SPCCS			Coverage							3000	22.9	75.1
							20.5Ω/M'			4.5Ω/M'							5000	31.0	101.7
							67.3Ω/km			14.8Ω/km							7000	37.8	124.0
																	10000	46.6	152.9
																	15000	59.1	193.9
																	18000	65.8	215.9
																	20000	70.0	229.7



**RG-402/U Type • 19 AWG Solid .036" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)**

<b>TFE Teflon Insulation • Unjacketed</b>																			
UL AWM	1673B*	—	100††	30.5	3.9	1.8	19 AWG	.116	2.95	CT	.138	3.51	50	69.5%	29.5	96.8	500	8.0	26.2
Style 10245 (30V 105°C)			500††	76.2	8.0	3.6	(solid)			Composite							1000	12.0	39.4
							.036"			100% Shield							2000	18.1	59.4
							SPC			Coverage							3000	22.9	75.1
							7.9Ω/M'			4.5Ω/M'							5000	31.0	101.7
							25.9Ω/km			14.8Ω/km							7000	37.8	124.0
																	10000	46.6	152.9
																	15000	59.1	193.9
																	18000	65.8	215.9
																	20000	70.0	229.7



**RG-401/U Type • 14 AWG Solid .065" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)**

<b>TFE Teflon Insulation • Unjacketed</b>																			
UL AWM	1675A*	—	50†	15.2	4.1	1.8	14 AWG	.210	5.33	CT	.246	6.25	50	69.5%	29.6	97.1	400	3.8	12.5
Style 10245 (30V 105°C)			100††	30.5	8.1	3.7	(solid)			Composite							500	4.4	14.4
			250††	76.2	20.3	9.2	.065"			100% Shield							1000	6.8	22.3
			500††	152.4	40.5	18.4	SPC			Coverage							2000	10.4	34.1
							2.5Ω/M'			8.0Ω/M'							3000	13.4	44.0
							8.2Ω/km			26.2Ω/km							5000	18.5	60.7
																	7000	22.8	74.8
																	10000	28.4	93.2
																	15000	36.6	120.1
																	18000	41.0	134.5



CT = Copper-Tin • DCR = DC Resistance • SPCCS = Silver-plated Copper-covered Steel • SPC = Silver-plated Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\* Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

† 250 ft. put-up: Exact 3 pieces (maximum), 50 feet minimum length

500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length

1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

†† May contain more than one piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# Conformable® Coax Cable

## 75 Ohm High-Frequency Video Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**29 AWG Solid .011" Silver-coated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)**

**TFE Teflon® Insulation • Unjacketed**

UL AWM	<b>1672A*</b>	—	500 <sup>†</sup>	152.4	7.5	3.4	29 AWG	.062	1.58	CT	.087	2.21	75	69.5%	19.5	64.0	1	1.6	5.3
Style 10245 (30V 105°C)			1000 <sup>†</sup>	304.8	14.0	6.4	(solid) .011"			Composite 100% Shield							10	1.8	5.9
							SCCCS			Coverage							50	4.1	13.5
							205.0Ω/M'			10.0Ω/M'							100	6.5	21.3
							672.4Ω/km			32.8Ω/km							200	9.0	29.5
																	400	12.8	42.0
																	700	18.0	59.1
																	1000	22.1	72.5



**TFE Teflon Insulation • PVC Jacket (Black or Clear)**

UL AWM	<b>1672J*</b>	—	100 <sup>††</sup>	30.5	3.1	1.4	29 AWG	.062	1.58	CT	.127	3.23	75	69.5%	19.5	64.0	1	1.6	5.3
Style 10245 (30V 105°C)			500 <sup>††</sup>	152.4	9.5	4.3	(solid) .011"			Composite 100% Shield							10	1.8	5.9
			1000 <sup>†</sup>	304.8	17.0	7.7	SCCCS			Coverage							50	4.1	13.5
							205.0Ω/M'			10.0Ω/M'							100	6.5	21.3
							672.6Ω/km			32.8Ω/km							200	9.0	29.5
																	400	12.8	42.0
																	700	18.0	59.1
																	1000	22.1	72.5



\*100 ft. put-up available in Clear only.

**29 AWG Solid .011" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)**

**TFE Teflon Insulation • Unjacketed**

UL AWM	<b>1672B*</b>	—	100 <sup>††</sup>	30.5	2.5	1.1	29 AWG	.062	1.58	CT	.087	2.21	75	69.5%	19.5	64.0	1	1.6	5.3
Style 10245 (30V 105°C)			500 <sup>††</sup>	152.4	7.5	3.4	(solid) .011"			Composite 100% Shield							10	1.8	5.9
			1000 <sup>††</sup>	304.8	14.0	6.4	SPC			Coverage							50	4.1	13.5
							11.0Ω/M'			10.0Ω/M'							100	6.5	21.3
							36.1Ω/km			32.8Ω/km							200	9.0	29.5
																	400	12.8	42.0
																	700	18.0	59.1
																	1000	22.1	72.5



Non-ferrous design.

CT = Copper Tin • DCR = DC Resistance • SCCC = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\* Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

<sup>†</sup> 250 ft. put-up: Exact 3 pieces (maximum), 50 feet minimum length

500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length

1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

<sup>††</sup> May contain more than 1 piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.

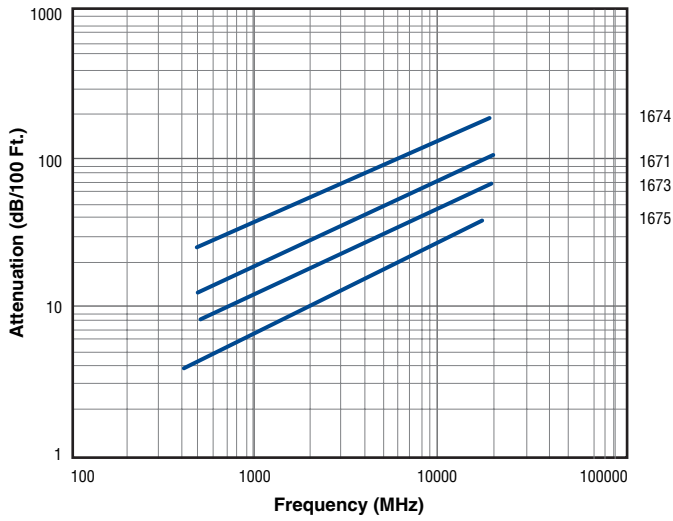


For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

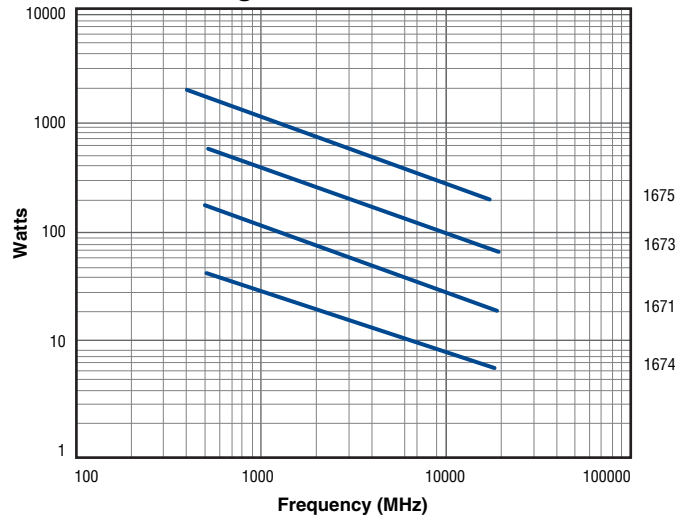
# Conformable® Coax Cable

## Electrical Characteristics

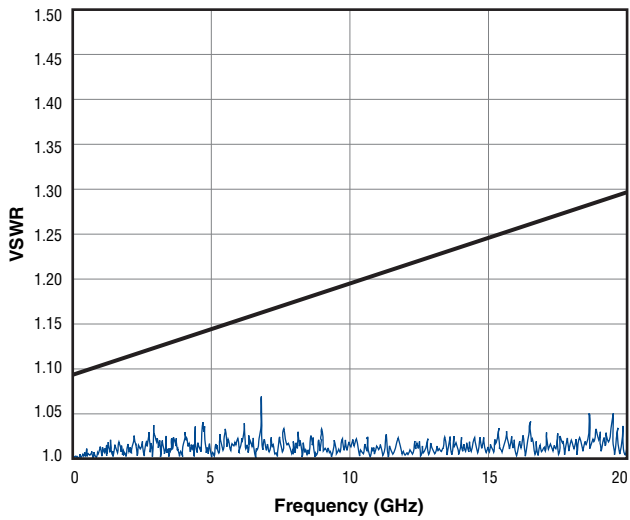
**Attenuation**



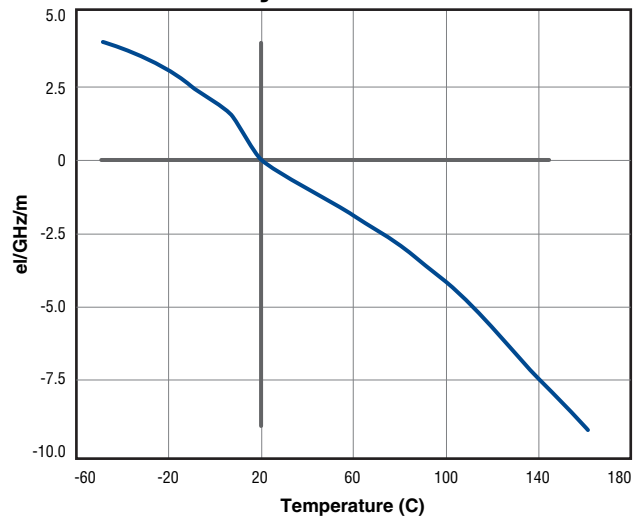
**Power Rating**



**Guaranteed VSWR**



**Phase Stability**



Conformable Coax cable is an alternative to semi-rigid and flexible coax for "black box" applications involving internal, head-end wiring of electronic equipment, delay lines, and high-frequency applications.

# MIL-C-17G QPL Cable

50 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation			
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m	
<b>30 AWG Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (96% Coverage)</b>																				
<b>TFE Teflon® Insulation • White FEP Jacket</b>																				
200°C	<b>83265</b>	—	100†	30.5	.8	.4	30 AWG	.033	.84	SPC Braid	.071	1.80	50	69.5%	29.0	95.1	1	2.6	8.5	
VW-1			500†	152.4	4.0	1.6	(7x38)			96% Shield								10	5.6	18.4
			1000†	304.8	6.0	3.2	.012"			Coverage									50	10.5
									SPCCS	14.6Ω/M'								100	14.0	45.9
									244.0Ω/M'	47.9Ω/km								200	19.0	62.3
									801.0Ω/km									400	28.0	91.9
																		700	37.0	121.4
																		900	42.5	139.4
																		1000	46.0	150.9

M17/169-00001 (RG-178B/U). Non-SWR swept version of RG-178.

<b>26 AWG Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)</b>																					
<b>TFE Teflon Insulation • White FEP Jacket</b>																					
200°C	<b>83284</b>	—	100†	30.5	1.2	.5	26 AWG	.058	1.47	SPC Braid	.098	2.49	50	69.5%	29.0	95.1	1	1.2	3.9		
VW-1			500†	152.4	5.5	2.7	(7x34)			95% Shield									10	2.7	8.9
			1000†	304.8	11.0	5.0	.020"			Coverage										50	5.6
									SPCCS	6.5Ω/M'								100	8.3	27.2	
									84.1Ω/M'	21.3Ω/km								200	12.0	39.4	
									275.9Ω/km									400	17.5	57.4	
																		700	23.7	77.8	
																		900	27.3	89.6	
																		1000	29.0	95.1	

M17/172-00001 (RG-316/U). Non-SWR swept version of RG-316.

<b>26 AWG Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)</b>																					
<b>TFE Teflon Insulation • Brown FEP Jacket</b>																					
200°C	<b>84316</b>	—	100†	30.5	1.2	.5	26 AWG	.058	1.47	SPC Braid	.098	2.49	50	69.5%	29.0	95.1	1	1.2	3.9		
VW-1			500†	152.4	5.5	2.5	(7x34)			95% Shield									10	2.7	8.9
			1000†	304.8	11.0	5.0	.020"			Coverage										50	5.6
									SPCCS	6.5Ω/M'								100	8.3	27.2	
									84.1Ω/M'	21.3Ω/km								200	12.0	39.4	
									275.9Ω/km									400	17.5	57.4	
																		700	23.7	77.8	
																		900	27.3	89.6	
																		1000	29.0	95.1	

M17/113-RG316

<b>22 AWG Stranded (27x36) .030" Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)</b>																					
<b>Polyethylene Insulation • Black Non-contaminating PVC Jacket</b>																					
UL AWM Style 1354 (30V 80°C) VW-1	<b>9252</b>	NEC: CMX	1000	304.8	18.0	8.2	22 AWG (27x36)	.096	2.44	TC Braid Shield	.160	4.06	50	66%	30.8	101.0	1	.4	1.3		
		CEC: CMX					.030"			95% Shield									10	1.7	5.6
							TC			Coverage									50	4.5	14.8
									17.1Ω/M'	5.2Ω/M'								100	7.0	23.0	
									56.1Ω/km	17.1Ω/km								200	11.0	36.1	
																		400	16.5	54.1	
																		700	23.5	77.1	
																		900	27.3	89.6	
																		1000	29.0	95.1	

M17/157-00001 (RG-122/U). Non-SWR swept version of RG-122.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-plated Copper • SPCCS = Silver-plated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†May contain more than one piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.



# MIL-C-17G QPL Cable


## 50 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

### 20 AWG Stranded (.035" Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

#### Polyethylene Insulation • Black Non-contaminating PVC Jacket

85°C	<b>9203</b>	—	500	152.4	12.5	5.7	20 AWG (19x33) .035" TC 10.8Ω/M' 35.4Ω/km	.116	2.95	TC Braid 95% Shield Coverage 4.1Ω/M' 13.5Ω/km	.195	4.95	50	66%	30.8	101.0	1	.4	1.3								
			1000	304.8	25.0	12.3											10	1.4	4.6	50	3.3	10.8	100	4.9	16.1	200	7.3



M17/28-RG58

85°C	<b>8262</b>	—	U-500	U-152.4	13.5	6.1	20 AWG (19x33) .035" TC 10.8Ω/M' 35.4Ω/km	.115	2.92	TC Braid 95% Shield Coverage 4.1Ω/M' 13.5Ω/km	.195	4.95	50	66%	30.8	101.0	1	.4	1.3								
			500	152.4	12.5	5.7											10	1.4	4.6	50	3.3	10.8	100	4.9	16.1	200	7.3




M17/155-00001 (RG-58C/U). Non-SWR swept version of RG-58.

### 19 AWG Solid .034" Silver-coated Copper Conductor • Double Silver-coated Copper Braid Shield (95% Coverage)

#### Polyethylene Insulation • Black Non-contaminating PVC Jacket

UL AWM Style 1354 (30V 60°C)	<b>9273</b>	NEC:	100	30.5	4.7	2.1	19 AWG (solid) .034" SCC 8.8Ω/M' 28.9Ω/km	.117	2.97	(2) SCC Braids 95% Shield Coverage 2.5Ω/M' 8.2Ω/km	.212	5.39	50	66%	30.8	101.0	1	.4	1.3									
		CMX	U-500	U-152.4	20.0	9.1											10	1.2	3.9	50	2.8	9.2	100	4.1	13.5	200	6.0	19.7



M17/167-00001 (RG-223/U). Non-SWR swept version of RG-223.

### 18 AWG Solid .037" Silver-coated Copper-covered Steel Conductor • Double Silver-coated Copper Braid Shield (96% Coverage)


#### Plenum • TFE Teflon® Insulation • Tinted Brown FEP Jacket

200°C VW-1	<b>84142</b>	NEC:	100	30.5	5.0	2.3	18 AWG (solid) .037" SCCS 19.3Ω/M' 63.3Ω/km	.116	2.95	(2) SCC Braids 96% Shield Coverage 2.3Ω/M' 7.5Ω/km	.195	4.95	50	70%	29.0	95.1	10	1.1	3.6									
		CMP	500†	152.4	22.5	10.2											50	2.6	8.5	100	3.8	12.5	200	5.4	17.7	400	7.9	25.9



M17/60-RG142

200°C VW-1	<b>83242</b>	NEC:	100†	30.5	5.3	2.4	18 AWG (solid) .037" SCCS 19.3Ω/M' 63.3Ω/km	.116	2.95	(2) SCC Braids 96% Shield Coverage 2.3Ω/M' 7.5Ω/km	.195	4.95	50	70%	29.0	95.1	10	1.1	3.6									
		CMP	500†	152.4	22.5	10.2											50	2.6	8.5	100	3.8	12.5	200	5.4	17.7	400	7.9	25.9



M17/158-00001 (RG-142B/U). Non-SWR swept version of RG-142.

### 18 AWG Solid .037" Silver-coated Copper-covered Steel Conductor • Silver-coated Copper Braid Shield (95% Coverage)

#### Plenum • TFE Teflon Insulation • Tinted Brown FEP Jacket

200°C VW-1	<b>84303</b>	NEC:	500†	152.4	16.5	7.5	18 AWG (solid) .037" SCCS 16.3Ω/M' 53.5Ω/km	.116	2.95	SCC Braid Shield 95% Shield Coverage 4.3Ω/M' 14.1Ω/km	.170	4.31	50	70%	29.0	95.1	10	1.1	3.6									
		CL2P	1000†	304.8	32.0	14.5											50	2.6	8.5	100	3.8	12.5	200	5.4	17.7	400	7.9	25.9



M17/111-RG303

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SCC = Silver-coated Copper • SCCS = Silver-coated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1.

† May contain more than one piece, minimum length of any 1 piece is 25 feet.

Teflon is a DuPont trademark.


# MIL-C-17G QPL Cable

50 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**15.5 AWG** Solid .056" Silver-plated Copper Conductor • Double Silver-plated Copper Braid Shield (95% Coverage)


**Polyethylene Insulation • Black Non-contaminating PVC Jacket**

85°C	<b>9861</b>	—	1000	304.8	91.0	41.4	15.5 AWG (solid)	.185	4.70	(2) SPC Braids	.332	8.43	50	66%	30.8	101.0	1	.3	.9
							.056"			95% Shield Coverage							10	.8	2.7
							SPC										50	1.9	6.2
							3.3Ω/M'										100	2.7	8.9
							10.8Ω/km										200	4.1	13.5
																	400	5.9	19.4
																	700	8.0	26.2
																	900	9.1	29.9
																	1000	9.8	32.2

M17/162-00001 (RG-212/U). Non-SWR swept version of RG-212.

**13 AWG** Stranded (7x21) .089" Bare Copper Conductor • Bare Copper Braid Shield (96% Coverage)


**Polyethylene Insulation • Black Non-contaminating PVC Jacket**

UL AWM Style 1354 (30V 60°C)	<b>8267</b>	NEC: CMX	500	152.4	59.5	27.0	13 AWG (7x21)	.285	7.24	BC Braid	.405	10.29	50	66%	30.8	101.0	1	.2	.6
		CEC: CMX	1000	304.8	117.0	53.1	.089"			96% Shield Coverage							10	.6	1.8
							BC										50	1.3	4.3
							1.7Ω/M'										100	1.9	6.2
							5.6Ω/km										200	2.7	8.9
																	400	4.1	13.5
																	700	6.5	21.3
																	900	7.6	24.9
																	1000	8.0	26.2
																	4000	21.5	70.5

M17/163-00001 (RG-213/U). Non-SWR swept version of RG-213.

**13 AWG** Stranded (7x21) .089" Silver-plated Copper Conductor • Double Silver-plated Copper Braid Shield (97% Coverage)

**Polyethylene Insulation • Black Non-contaminating PVC Jacket**

UL AWM Style 1354 (30V 60°C)	<b>8268</b>	NEC: CMX	500	152.4	70.5	32.0	13 AWG (7x21)	.285	7.24	(2) SPC Braids	.425	10.80	50	66%	30.8	101.0	1	.2	.6
		CEC: CMX	1000	304.8	140.0	63.5	.089"			97% Shield Coverage							10	.6	1.8
							SPC										50	1.3	4.3
							1.7Ω/M'										100	1.9	6.2
							5.6Ω/km										200	2.7	8.9
																	400	4.1	13.5
																	700	6.5	21.3
																	900	7.6	24.9
																	1000	8.0	26.2
																	4000	20.0	65.6

M17/164-00001 (RG-214/U). Non-SWR swept version of RG-214.

BC = Bare Copper • DCR = DC Resistance • SPC = Silver-plated Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

# MIL-C-17G QPL Cable

75 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**30 AWG** Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (94% Coverage)

TFE Teflon® Insulation • Tinted Brown FEP Jacket																				
200°C	83264	—	100†	30.5	1.2	.5	30 AWG (7x38)	.062	1.58	SPC Braid	.100	2.54	75	69.5%	19.5	64.0	1	3.0	9.8	
VW-1			500†	152.4	5.5	2.5			94% Shield Coverage								10	5.3	17.4	
				1000†	304.8	11.0	5.0	.012"			SPCCS							50	8.5	27.9
								244.0Ω/M'			27.4Ω/km							100	10.0	32.8
							801.0Ω/km										200	12.5	41.0	
																	400	16.0	52.5	
																	700	19.7	64.6	
																	900	22.3	73.2	
																	1000	24.0	78.7	

M17/94-RG179

**23 AWG** Solid .023" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C	9204	NEC:	500	152.4	18.0	8.2	23 AWG (solid)	.146	3.71	BC Braid	.241	6.12	75	66%	20.5	67.3	1	.6	2.0
VW-1		CMH	U-1000	U-304.8	38.0	17.3	.023"			95% Shield Coverage							10	1.1	3.6
		CEC:	1000	304.8	39.0	17.7	BCCS			2.6Ω/M'							50	2.4	7.9
		CMH FT1					47.0Ω/M'			8.5Ω/km							100	3.4	11.2
						154.2Ω/km										200	4.9	16.1	
																400	7.0	23.0	
																700	9.7	31.8	
																900	11.1	36.4	
																1000	12.0	39.4	

M17/29-RG59

**18 AWG** Stranded (7x26) .048" Tinned Copper Conductor • Bare Copper Braid Shield (97% Coverage)

Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C	9212	NEC:	1000	304.8	105.0	47.7	18 AWG (7x26)	.285	7.24	BC Braid	.405	10.29	75	66%	20.5	67.3	1	.2	.7
VW-1		CMH					.048"			97% Shield Coverage							10	.7	2.3
		CEC:					TC			1.2Ω/M'							50	1.3	4.3
		CMH FT1					6.1Ω/M'			3.9Ω/km							100	2.0	6.6
						20.0Ω/km										200	2.9	9.5	
																400	4.2	13.8	
																700	5.8	19.0	
																900	6.9	22.6	
																1000	7.2	23.6	

M17/6-RG11

**18 AWG** Stranded (7x26) .048" Tinned Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C	9850	NEC:	1000	304.8	131.0	59.5	18 AWG (7x26)	.285	7.24	(2) BC Braids	.425	10.80	75	66%	20.5	67.3	1	.2	.6
VW-1		CMH					.048"			95% Shield Coverage							10	.7	2.2
		CEC:					TC			.8Ω/M'							50	1.3	4.3
		CMH FT1					6.1Ω/M'			2.6Ω/km							100	2.0	6.6
						20.0Ω/km										200	2.9	9.5	
																400	4.2	13.8	
																700	5.8	19.0	
																900	6.8	22.3	
																1000	7.1	23.3	

M17/77-RG216

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SPCCS = Silver-plated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†May contain more than one piece, minimum length of any 1 piece is 25 feet.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)



# MIL-C-17G QPL Cable

93 Ohm, 95 Ohm and 125 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**93 Ohm • 22 AWG** Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	<b>9862</b>	NEC: CMX CEC: CMX	1000	304.8	37.0	16.8	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.2Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.242	6.15	93	84%	13.5	44.3	1	.3	1.0
																	10	.9	3.0
																	50	1.9	6.2
																	100	2.7	8.9
																	200	3.8	12.5
																	400	5.3	17.4
																	700	7.3	24.0
																	900	8.2	26.9
																	1000	8.7	28.5

M17/30-RG62

**93 Ohm • 22 AWG** Solid .025" Bare Copper-covered Steel Conductor • BC Outer Braid/TC Inner Braid Shield (95% Coverage)

Semi-solid Polyethylene Insulation • Black Polyethylene Jacket																			
85°C	<b>9169</b>	—	1000	304.8	46.0	20.9	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.2Ω/km	.146	3.71	(2) Braids Inner: BC Outer: TC 95% Shield Coverage 1.5Ω/M' 4.9Ω/km	.245	6.22	93	84%	13.5	44.3	1	.3	1.0
																	10	.9	3.0
																	50	1.9	6.2
																	100	2.7	8.9
																	200	3.8	12.5
																	400	5.3	17.4
																	700	7.3	24.0
																	900	8.2	26.9
																	1000	8.7	28.5

M17/90-RG71

**95 Ohm • 30 AWG** Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (91% Coverage)

TFE Teflon® Insulation • Tinted Brown FEP Jacket																			
200°C VW-1	<b>83266</b>	—	1000†	304.8	20.0	9.1	30 AWG (7x38) .012" SPCCS 244.0Ω/M' 801.0Ω/km	.102	2.60	SPC Braid 91% Shield Coverage 6.5Ω/M' 21.3Ω/km	.141	3.58	95	69.5%	15.0	49.2	1	2.4	7.9
																	10	3.3	10.8
																	50	4.6	15.1
																	100	5.7	18.7
																	200	7.6	24.9
																	400	10.7	35.1
																	700	14.9	48.9
																	900	15.9	52.2
																	1000	17.0	55.8

M17/95-RG180

**125 Ohm • 22 AWG** Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (97% Coverage)

Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C	<b>9857</b>	NEC: CMH CEC: CMH FT1	1000	304.8	94.0	42.6	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.2Ω/km	.285	7.24	BC Braid 97% Shield Coverage 1.2Ω/M' 3.9Ω/km	.405	10.29	125	84%	9.7	31.8	1	.2	1.0
																	10	.5	1.6
																	50	1.1	3.6
																	100	1.5	4.9
																	200	2.3	7.5
																	400	3.4	11.2
																	700	4.6	15.1
																	900	5.5	18.0
																	1000	5.8	19.0

M17/31-RG63

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-plated Copper • SPCCS = Silver-plated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

† May contain more than 1 piece, minimum length of any one piece is 25 feet.

Teflon is a DuPont trademark.



# MIL-C-17G QPL Cable

Twinax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Twinax • 24 AWG** Stranded (19x36) .024" Silver-coated High-Strength Copper Alloy Conductor • SCHSCA Braid Shield (93% Coverage)

**TFE Teflon® Insulation • Blue PFA Jacket** (Color Code: White, Blue)

200°C	<b>81553</b>	—	500 <sup>†</sup>	152.4	9.0	4.1	24 AWG (19x36)	.084	2.13	SCHSCA 93% Shield Coverage	.129	3.28	77	70%	24.0	78.7	1	1.2	3.9
			1000 <sup>†</sup>	304.8	16.0	7.3	.024" SCHSCA 24.0Ω/M' 78.7Ω/km			7.3Ω/M' 24.0Ω/km							10	4.0	13.1
																	50	9.2	30.2
																	100	13.0	42.7
																	200	18.4	60.4
																	400	26.1	85.6
																	700	34.6	113.5
																	900	39.3	128.9
																	1000	41.4	135.8

M17/176-00002

**Twinax • 20 AWG** Stranded (7x28) .038" Tinned Copper Conductor • Tinned Copper Braid Shield (85% Coverage)

**Polyethylene Insulation • Black Non-contaminating PVC Jacket** (One conductor has bare strand for ID)

85°C	<b>9859</b>	—	1000	304.8	33.0	15.0	20 AWG (7x28)	.158	4.01	TC Braid 85% Shield Coverage	.235	5.97	78	66%	19.7	64.6	1	.7	2.3
							.038" TC 9.5Ω/M' 31.2Ω/km			5.3Ω/M' 17.4Ω/km							10	2.3	7.5
																	50	5.2	17.1
																	100	7.5	24.6
																	200	11.0	36.1
																	400	16.0	52.5

M17/45-RG108

DCR = DC Resistance • PFA = Perfluoroalkoxy • SCHSCA = Silver-coated High-strength Copper Alloy • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

<sup>†</sup>Spools may contain more than one piece. Minimum length of any one piece is 50 ft. Length may vary ±10% from length shown for spools or reels and ±5% UnReel® cartons.

 Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

# Special Audio, Communication and Instrumentation Cable

## Miniature Instrumentation and Low Triboelectric Noise Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**Miniature • 28 AWG Solid .013" Tinned Copper Conductor • Bare Copper Braid Shield (90% Coverage)**

<b>Polypropylene Insulation • Black PVC Jacket</b>																				
105°C	8700	NEC: CMH CEC: CMH FT1	250	76.2	.8	.3	28 AWG (solid)	.023	.58	BC Braid	.054	1.37	32	66%	55.2	181.1	1	2.5	8.2	
VW-1			500	152.4	4.5	2.0	(7x34)	.013"		90% Shield Coverage								10	7.7	25.3
			1000	304.8	8.0	3.6	.019"			TC								50	17.2	56.4
										66.9Ω/M'								100	24.5	80.4
										219.5Ω/km								200	34.8	114.2
																		400	50.0	164.4
																		700	66.0	216.5
																		900	75.0	246.1
																		1000	79.0	259.2

**Low Noise • RG-174/U Type • 26 AWG Stranded (7x34) .019" Bare Copper-covered Steel Conductor • TC Braid Shield (90% Coverage)**

<b>Polyethylene Insulation • Conductive Layer • Black PVC Jacket</b>																				
60°C	9239	—	100	30.5	1.0	.5	26 AWG (7x34)	.044	1.12	TC Braid	.101	2.57	50	62%	38	125	—	—	—	
			500	152.4	4.5	2.0	.019"			90% Shield Coverage										
			1000	304.8	8.0	3.6	BCCS			14.0Ω/M'										
										97.0Ω/M'										
										318.3Ω/km										

5mV peak-to-peak max.  
Not recommended for RF use.

**Low Noise • RG-59/U Type • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (93% Coverage)**

<b>Polyethylene Insulation • Conductive Layer • Black PVC Jacket</b>																				
75°C	9224	—	U-500	U-152.4	19.5	8.9	22 AWG (solid)	.146	3.71	BC Braid	.242	6.15	75	65%	22	72	—	—	—	
VW-1			1000	304.8	39.0	17.7	(7x30)	.025"		93% Shield Coverage										
										BCCS										
										54.0Ω/M'										
										177.0Ω/km										

5mV peak-to-peak max.  
Not recommended for RF use.

**Low Noise • RG-58/U Type • 22 AWG Stranded (7x30) .030" TC Conductor • Duobond® II + TC Braid Shield (95% Coverage)**

<b>Polyethylene Insulation • Conductive Layer • Black PVC Jacket</b>																				
80°C	9223	—	100	30.5	3.4	1.5	22 AWG (7x30)	.112	2.85	Duobond II* + 95% TC Braid	.195	4.95	50	56%	37	122	—	—	—	
VW-1			500	152.4	12.0	5.4	.030"			100% Shield Coverage										
			1000	304.8	24.0	10.9	TC			10.8Ω/M'										
										35.4Ω/km										

8mV peak-to-peak max.  
Not recommended for RF use.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper  
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

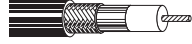
\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).


# Computer and Instrumentation Cable


## 50 Ohm Ethernet® Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

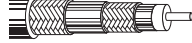
**Thinnet 10Base2 Ethernet • 20 AWG Stranded (19x32) .037" Conductor • Duobond® II + Overall TC Braid Shield (93% Coverage)**

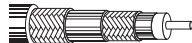
<b>Non-plenum • Foam Polyethylene Insulation • Gray PVC Jacket</b>																				
 <p>UL AWM Style 1354 (30V 60°C)</p>	<b>9907</b>	NEC:	500	152.4	12.5	5.7	20 AWG (19x32)	.102	2.59	Duobond II* + 93%	.185	4.70	50	80%	25.4	83.3	1	.4	1.4	
		CL2	U-1000	U-304.8	24.0	10.9	.037"			TC Braid								10	1.3	4.3
		CM	1000	304.8	23.0	10.4				5.8Ω/M'								50	2.9	9.5
		CEC:	1640	500.0	41.0	18.6	TC			19.0Ω/km								100	4.2	13.8
		CM	2500	762.0	62.5	28.4	8.8Ω/M'											200	6.1	20.0
		CM	3280	1000.0	82.0	37.3	28.9Ω/km										400	8.9	29.2	
<p>RG-58A/U Type DEC Part No. 17-01248-00</p>															700	12.1	39.7			
															900	13.9	45.6			
															1000	14.8	48.6			

<b>Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket</b>																				
 <p>150°C</p>	<b>89907</b>	NEC:	500	152.4	11.0	5.0	20 AWG (19x32)	.095	2.41	Duobond II* + 93%	.160	4.06	50	80%	25.4	83.3	1	.4	1.4	
		CMP	U-1000†	U-304.8	22.0	10.0	.037"			TC Braid								10	1.3	4.3
		CL2P	2500†	762.0	60.0	27.3				5.8Ω/M'								50	2.9	9.5
		CEC:					TC			19.0Ω/km								100	4.2	13.7
		CMP FT6					8.8Ω/M'											200	6.1	20.0
<p>RG-58A/U Type DEC Part No. 17-01246-00. Suitable for Outdoor applications.</p>															400	9.2	30.2			
															700	12.9	42.3			
															900	15.0	49.2			
															1000	16.0	52.5			

<b>Plenum • FPFA Insulation • Natural Flamarrest® Jacket</b>																				
 <p>75°C</p>	<b>82907</b>	NEC:	500†	152.4	11.0	5.0	20 AWG (19x32)	.095	2.41	Duobond II* + 93%	.160	4.06	50	80%	25.4	83.3	1	.4	1.4	
		CMP	U-1000††	U-304.8	23.0	10.5	.037"			TC Braid								10	1.3	4.3
		CL2P	1000†	304.8	22.0	10.0				5.8Ω/M'								50	2.9	9.5
		CEC:	2500†	762.0	57.5	26.1	TC			19.0Ω/km								100	4.2	13.7
		CMP FT6					8.8Ω/M'											200	6.1	20.0
<p>RG-58A/U Type</p>															400	9.2	30.2			
															700	12.9	42.3			
															900	15.0	49.2			
															1000	16.0	52.5			

**Thicknet 10Base5 Ethernet • 12 AWG Solid .086" Bare Copper Conductor • Duobond IV Quad Shield (100% Coverage)**

<b>Non-plenum • Foam Polyethylene Insulation • Yellow PVC Jacket</b>																				
 <p>UL AWM Style 1478 (30V 60°C)</p>	<b>9880</b>	NEC:	500	152.4	66.0	30.0	12 AWG (solid)	.243	6.17	Duobond IV* + 94% TC Braid + Duofoil®	.405	10.29	50	78%	26.0	85.3	1	.2	.6	
		CL2	1000	304.8	131.0	59.5	.086"			+ 90% TC Braid								5	.4	1.2
		CM	1640	500.0	219.8	99.7				1.4Ω/M'								10	.5	1.7
		CEC:					BC			4.7Ω/km								50	1.2	3.9
		CM																100	1.7	5.6
<p>DEC Part No. 17-00451-00 Ring-band stripes marked every 2.5 meters to aid users in tap placement.</p>															200	2.6	8.4			
															400	3.9	12.8			
															700	5.5	18.1			
															900	6.5	21.3			
															1000	6.9	22.6			

<b>Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket</b>																				
 <p>150°C</p>	<b>89880</b>	NEC:	1000	304.8	134.0	60.9	12 AWG (solid)	.245	6.22	Duobond IV* + 90% TC Braid + Duofoil	.375	9.53	50	78%	26.0	85.3	1	.2	.6	
		CL2P	1640†	500.0	224.7	102.1	.086"			+ 90% TC Braid								5	.4	1.2
		CMP					BC			1.4Ω/M'								10	.5	1.7
		CEC:								4.7Ω/km								50	1.2	3.8
		CMP FT6																100	1.7	5.4
<p>DEC Part No. 17-00324-00 Ring-band stripes marked every 2.5 meters to aid users in tap placement. Suitable for Outdoor and Direct Burial applications.</p>															200	2.5	8.0			
															400	3.8	12.5			
															700	5.6	18.4			
															900	6.8	22.3			
															1000	7.2	23.6			

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

For cable manufactured to latest government revision or other MIL-SPEC requirements, please contact your nearest Belden Regional Sales Office.

\* Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

† Final put-up length may vary from length shown ±10% for spools and reels, ±5% for UnReel® cartons.

†† Length may vary -0/+10%.


# Computer and Instrumentation Cable

## 75 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

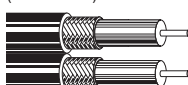
**75 Ohm • 30 AWG Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)**

**TFE Teflon® Insulation • White TFE Tape Jacket**

200°C	83267	—	100†	30.5	1.9	.9	30 AWG (7x38)	.063	1.60	SPC Braid	.103	2.62	75	69.5%	19.5	64.0	1	3.0	9.8
VW-1			1000†	304.8	11.0	5.0											95% Shield Coverage	10	5.3
																			
.012" SPCCS 8.6Ω/M' 244.0Ω/M' 801.0Ω/km																			
RG-187A/U Type • MIL-C-17D																			

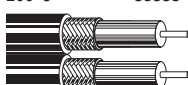
**75 Ohm • Dual RG-59/U Type • 23 AWG Solid .023" Bare Copper-covered Steel Conductors • Bare Copper Braid Shield (95% Coverage)**

**Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket**

UL AWM Style 20063 (300V 80°C)	9555	NEC:	500	152.4	38.5	17.5	23 AWG (solid)	.146	3.71	BC Braid	.238	6.05	75	66%	20.5	67.3	1	.6	2.0
		CM	1000	304.8	78.0	35.4											95% Shield Coverage	10	1.1
																			
CEC: 2000 609.6 152.0 69.0 .023" BCCS 2.6Ω/M' 50.0Ω/M' 164.0Ω/km																			
For Plenum version of see 89555.																			


**75 Ohm • Dual RG-59/U Type • 23 AWG Solid .023" Bare Copper-covered Steel Conductors • Bare Copper Braid Shield (97% Coverage)**

**Plenum • FEP Insulation • Clear FEP Jacket**

200°C	89555	NEC:	500	152.4	46.5	21.1	23 AWG (solid)	.134	3.40	BC Braid	.212	5.39	75	70%	19.5	64.0	1	.5	1.6
		CMP	1000	304.8	90.0	40.9											97% Shield Coverage	10	1.1
																			
CEC: 2000 609.6 152.0 69.0 .023" BCCS 2.6Ω/M' 50.0Ω/M' 164.0Ω/km																			
Suitable for Outdoor and Direct Burial applications.																			

**75 Ohm • RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (100% Coverage)**

**Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket**

	3131A	NEC:	1000	304.8	39.0	17.7	18 AWG (solid)	.180	4.57	Duobond IV* Quad Shield	.300	7.62	75	82%	16.2	53.2	1	.35	1.15
		CL2R,	2500††	762.2	97.5	44.3											3.6Ω/M'	2	.38
																			
CMR .040" BCCS 11.8Ω/km																			
CEC: 2000 609.6 152.0 61.7 .064" BCCS 4.9Ω/km																			
Sweep tested 5 MHz to 400 MHz. CPE jacket optional.																			

**Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket**

150°C	3132A	NEC:	1000	304.8	36.0	16.4	18 AWG (solid)	.170	4.32	Duobond IV* Quad Shield	.274	6.96	75	82%	16.3	53.5	1	.36	1.18
		CMP															7.2Ω/M'	2	.38
																			
CEC: 2000 609.6 152.0 61.7 .064" BCCS 4.9Ω/km																			
For Non-plenum version see 3131A. Sweep tested 5 MHz to 400 MHz.																			

Suitable for Outdoor and Direct Burial applications.

**75 Ohm • RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV Quad Shield (100% Coverage)**

**Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket**

	3094A	NEC:	500	152.4	34.5	15.7	14 AWG (solid)	.280	7.11	Duobond IV* Quad Shield	.407	10.34	75	82%	16.2	53.2	1	.16	.53
		CL2R,	1000	304.8	69.0	31.3											1.5Ω/M'	2	.18
																			
CMR .064" BCCS 4.9Ω/km																			
CEC: 2000 609.6 136.0 61.7 .064" BCCS 4.9Ω/km																			
Sweep tested 5 MHz to 400 MHz. CPE jacket optional.																			

Tap marks every 2.6 meters to aid users in installation.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-coated Copper • SPCCS = Silver-coated Copper-covered Steel • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\* Duobond IV = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

† May contain more than one piece, minimum length of any one piece is 25 ft.

†† Spools may contain more than one piece. Final put-up may vary ±10% for spools and reels and ±5% for UnReel® cartons. 25 feet minimum length.

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Computer and Instrumentation Cable

75 Ohm and 93 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**75 Ohm • RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV Quad Shield (100% Coverage)**

**Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket**

150°C	<b>3095A</b>	NEC: CMP: PLTC: CEC: CMP FT6	1000	304.8	76.0	34.5	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* (solid) Quad Shield 3.9Ω/M' 12.8Ω/km	.387	9.83	75	82%	16.5	54.1	1	.20	.70	.39	1.30	.20	1.30	1.70	5.60	2.50	8.20	3.50	11.50
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Suitable for Outdoor and Direct Burial applications.  
Tap marks every 2.6 meters to aid users in installation.

**93 Ohm • RG-62B/U Type • 24 AWG Stranded (7x32) .024" Bare Copper-covered Steel Conductor • BC Braid Shield (95% Coverage)**

**Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket**

UL AWM Style 1354 (30V 60°C) VW-1	<b>8255</b>	NEC: CMX: CEC: CMX	500	152.4	16.5	7.5	24 AWG (7x32) .024" BCCS 59.0Ω/M' 193.6Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.242	6.15	93	84%	13.5	44.3	1	.3	1.0	.9	3.0	2.0	6.6	2.9	9.5	4.2	13.8	6.1	20.0	8.6	28.2	10.1	33.1	11.1	36.4
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MIL-C-17D

**93 Ohm • RG-62/U Type • JAN-C-17A • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • BC Braid Shield (95% Coverage)**

**Semi-solid Polyethylene Insulation • Black PVC Jacket**

75°C	<b>8254</b>	—	U-500	U-152.4	18.0	8.2	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.238	6.05	93	84%	13.5	44.3	1	.3	.8	.9	2.8	1.9	6.2	2.7	8.9	3.8	12.5	5.3	17.4	7.3	23.9	8.2	26.9	8.7	28.5
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**93 Ohm • RG-62A/U Type • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)**

**Semi-solid Polyethylene Insulation • Black High-density Polyethylene Jacket**

Flooded Burial 80°C	<b>9228</b>	—	500	152.4	15.0	6.8	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.242	6.15	93	84%	13.5	44.3	1	.3	.8	.9	2.8	1.9	6.2	2.7	8.9	3.8	12.5	5.3	17.4	7.3	23.9	8.2	26.9	8.7	28.5
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Suitable for Outdoor and Direct Burial applications.

**Semi-solid Polyethylene Insulation • Black PVC Jacket**

UL AWM Style 1478 (30V 60°C)	<b>9268</b>	NEC: CM CL2: CEC: CM	500	152.4	20.0	9.1	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.260	6.60	93	84%	13.5	44.3	1	.3	.8	.9	2.8	1.9	6.2	2.7	8.9	3.8	12.5	5.3	17.4	7.3	23.9	8.2	26.9	8.7	28.5
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IBM P/N 5252750 • Includes Mylar® tape as a moisture barrier for improved outdoor reliability.

UL AWM Style 1478 (30V 60°C)	<b>9269</b>	NEC: CM CL2: CEC: CM	U-500	U-152.4	18.5	8.4	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.239	6.07	93	84%	13.5	44.3	1	.3	.8	.9	2.8	1.9	6.2	2.7	8.9	3.8	12.5	5.3	17.4	7.3	23.9	8.2	26.9	8.7	28.5
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For Plenum version of 9269,  
see 89269, 87269 and 82269.

IBM P/N 323921 P-MSHA SC-1823\*\*

\*U-1000 put-up also available in Orange, Beige or Chrome.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Mylar is a DuPont trademark.

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

For cables manufactured to latest government revision or other MIL-SPEC requirements, please contact your nearest Belden regional Sales Office.

\* Duobond IV = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

\*\* Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Computer and Instrumentation Cable

## 93 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**RG-62/U Type • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (94% Coverage)**

Plenum • Semi-solid FEP Teflon® Insulation • Black or White Tint FEP Jacket																			
200°C	<b>89269</b>	NEC:	100 <sup>▲</sup>	30.5	5.2	2.4	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP	500	152.4	16.5	7.5	(solid)			94% Shield							10	.9	3.0
		CEC:	1000	304.8	33.0	15.0	.025"			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M'							100	2.7	8.9
							41.2Ω/M'			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
																	1000	8.7	28.5

▲100 ft. put-up available in Black only.  
Suitable for Outdoor and Direct Burial applications.

Plenum • Semi-solid FEP Teflon Insulation • Gray Fluorocopolymer Jacket																			
150°C	<b>87269</b>	NEC:	1000	304.8	34.0	15.4	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP					(solid)			94% Shield							10	.9	3.0
		CEC:					.025"			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M'							100	2.7	8.9
							41.2Ω/M'			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
																	1000	8.7	28.5

Suitable for Outdoor and Direct Burial applications.

Plenum • Semi-solid FEP Teflon Insulation • Natural Flamarrest® Low-smoke Jacket																			
75°C	<b>82269</b>	NEC:	1000	304.8	30.0	13.6	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP					(solid)			94% Shield							10	.9	3.0
		CEC:					.025"			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M'							100	2.7	8.9
							41.2Ω/M'			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
																	1000	8.7	28.5

**Plenum • Foam FEP Teflon Insulation • White Tint FEP Jacket**

200°C	<b>86262</b>	NEC:	500	152.4	16.0	7.3	22 AWG	.146	3.71	BC Braid	.204	5.18	93	85%	12.5	41.0	1	.3	1.8
		CMP	1000	304.8	32.0	14.5	(solid)			94% Shield							10	.9	3.0
		CEC:					.025"			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M'							100	2.7	8.9
							41.2Ω/M'			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
																	1000	8.7	28.5

Suitable for Outdoor and Direct Burial applications.

Plenum • Foam FEP Teflon Insulation • Natural Flamarrest Jacket																			
75°C	<b>82262</b>	NEC:	U-1000	U-304.8	31.0	14.1	22 AWG	.146	3.71	BC Braid	.204	5.18	93	85%	12.5	41.0	1	.3	1.8
		CMP	1000	304.8	30.0	13.6	(solid)			94% Shield							10	.9	3.0
		CEC:					.025"			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M'							100	2.7	8.9
							41.2Ω/M'			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
																	1000	8.7	28.5

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# Computer and Instrumentation Cable

78 Ohm, 95 Ohm and 100 Ohm Twinax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

**78 Ohm • 20 AWG Stranded (7x28) .038" Tinned Copper Conductors • Tinned Copper Braid Shield (93% Coverage)**

**Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)**

UL AWM Style 2092 (300V 60°C)	<b>9272</b>	NEC: CM	100	30.5	4.5	2.0	20 AWG (7x28)	.156	3.96	TC Braid 93% Shield Coverage	.244	6.20	78	66%	19.7	64.6	1	.6	2.0
		CEC: CM	500	152.4	18.5	8.4	.038"			TC							10	2.1	6.9
			1000	304.8	39.0	17.7	9.5Ω/M'			3.4Ω/M'							50	5.0	16.4
			1000	304.8	41.0	18.6	31.2Ω/km			11.2Ω/km							100	7.5	24.6
																	200	11.0	36.1
																	400	16.0	52.5

For Plenum version of 9272, see 89272.  
CPE jacket optional.



**Plenum • FEP Teflon® Insulation • Blue FEP Teflon Jacket (Color Code: Clear, Blue)**

200°C	<b>89272</b>	NEC: CMP	500	152.4	17.0	7.7	20 AWG (7x28)	.148	3.76	TC Braid 93% Shield Coverage	.198	5.03	78	69.5%	18.4	60.4	1	.6	2.0
		CEC: CMP FT6	1000	304.8	38.0	17.3	.038"			TC							10	2.1	6.9
							9.5Ω/M'			3.9Ω/M'							50	5.0	16.4
							31.2Ω/km			12.8Ω/km							100	7.5	24.6
																	200	11.0	36.1
																	400	16.0	52.5

Suitable for Aerial applications when supported by a messenger.

**78 Ohm • 20 AWG Stranded (7x28) .038" Tinned Copper Conductors • Beldfoil® (100% Coverage) + TC Braid Shield (55% Coverage)**

**Polyethylene Insulation • Blue Sunlight-resistant PVC Jacket (Color Code: Clear, Blue)**

UL AWM Style 2464 (300V 80°C)	<b>9463</b>	NEC: CM CL2	100	30.5	4.4	2.0	20 AWG (7x28)	.154	3.91	Beldfoil + 55% TC Braid	.238	6.05	78	66%	19.7	64.6	1	.6	2.0
		CEC: CM	500	152.4	18.0	8.2	.038"			TC							10	2.1	6.9
			1000	304.8	39.0	17.7	9.5Ω/M'			4.1Ω/M'							50	3.6	11.8
			1000*	304.8	39.0	17.7	9.5Ω/M'			13.4Ω/km							100	7.5	24.6
			6000*†	1828.7	234.0	106.1	31.0Ω/km										200	11.0	36.1
			10000*†	3048.0	380.0	172.4											400	16.0	52.5

CPE jacket optional.

PMSHA P-7K-SC-182141\*  
Allen Bradley P/N 1770-CD

\*10000 ft. and 6000 ft. put-ups also available in Brown, Orange and Purple. 10,000 ft. available in Brown or Orange only.

**RG-22B/U • 95 Ohm • 18 AWG Stranded (7x26) .046" Bare Copper Conductors\*\* • Double Tinned Copper Braid Shield (95% Coverage)**

**Polyethylene Insulation • PE Inner Jacket • Black Non-contaminating PVC Outer Jacket (Color Code: Clear, Clear)**

80°C VW-1	<b>9250</b>	—	500	152.4	61.5	27.9	18 AWG (7x26)	.285	7.24	(2) TC Braids 95% Shield Coverage	.416	10.67	95	66%	16.0	52.5	1	.3	1.0
			1000	304.8	121.0	54.9	.046"			BC							10	.9	3.0
							6.6Ω/M'			3.0Ω/km							20	1.3	4.3
							21.5Ω/km										50	2.1	6.9
																	100	3.0	9.8
																	400	6.3	20.7

CPE jacket optional.

RG-22B/U Type

\*\*1 conductor has tinned center strand. Non-contaminating PVC jacket.

**100 Ohm • 20 AWG Stranded (7x28) .037" One Tinned/One Bare Copper Conductors • Duofoil® + Double TC Braid Shield (95% Coverage)**

**Polyethylene Insulation • Black High-density Polyethylene Jacket**

Direct Burial 80°C	<b>9815</b>	—	500	152.4	34.5	15.7	20 AWG (7x28)	.236	5.99	TC Braid 95% Shield Coverage	.330	8.38	100	66%	14.5	47.6	1	.4	1.3
			1000	304.8	69.0	31.4	.037"			(1) TC, (1) BC							10	1.1	3.6
			2000	609.6	134.0	60.9	9.5Ω/M'			6.6Ω/km							50	2.5	8.2
							31.0Ω/km										100	4.1	13.5
																	200	6.4	21.0
																	400	10.2	33.5

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • PE = Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\* Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.

† Final put-up may vary from length shown. ±10% for spools or reels, ±5% for UnReel® cartons.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)



# Computer and Instrumentation Cable

100 Ohm, 124 Ohm and 150 Ohm Twinax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

**100 Ohm • 20 AWG** Stranded (7x28) .037" One TC/One BC Conductor • Duofoil® (100% Coverage) + TC Braid Shield (86% Coverage)

Polyethylene Insulation • Polyethylene Inner Jacket • Black PVC Outer Jacket																			
75°C	<b>9207</b>	NEC:	100	30.5	7.1	3.2	20 AWG	.236	5.99	Duofoil	.330	8.38	100	66%	14.5	47.6	1	.3	1.0
		CM CL2	U-500	U-152.4	33.0	15.0	(7x28)			+86%							10	1.2	3.9
		CEC:	500	152.4	34.5	15.7	.037"			TC Braid							50	2.8	9.2
		CMG FT4	1000	304.8	68.0	30.9	(1) TC,			1.7Ω/M'							100	4.1	13.5
			1640	500.0	111.5	50.7	(1) BC			5.7Ω/km							200	6.4	21.0
			2000	609.6	136.0	61.8	9.5Ω/M'										400	10.2	33.5
			3280	1000.0	219.8	99.9	31.0Ω/km												
			5000	1524.0	350.0	159.1													

IBM P/N 7362211

**100 Ohm • 20 AWG** Stranded (7x28) .037" One TC/One BC Conductor • Duofoil (100% Coverage) + TC Braid Shield (85% Coverage)

Plenum • FEP Insulation • Black FEP Jacket																			
200°C	<b>89207</b>	NEC:	100	30.5	6.7	3.0	20 AWG	.201	5.11	Duofoil	.259	6.58	100	69.5%	14.0	46.0	1	.3	1.0
		CMP	500	152.4	26.0	11.8	(7x28)			+85%							10	1.2	3.9
		CEC:	1000	304.8	55.0	25.0	.037"			TC Braid							50	2.8	9.2
		CMP FT6					(1) TC, (1) BC			2.5Ω/M'							100	4.1	13.5
							9.5Ω/M'			8.2Ω/km							200	6.4	21.0
							31.2Ω/km										300	8.4	27.6
																	400	10.2	33.5

**124 Ohm • 25 AWG** Stranded (7x33) .021" Tinned Copper Conductors • Beldfoil® Shield (100% Coverage) • Stranded TC Drain Wire

Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)																			
UL AWM	<b>9271</b>	NEC:	100	30.5	3.2	1.5	25 AWG	.170	4.32	Beldfoil	.240	6.10	124	66%	12.2	40.0	1	.6	2.0
Style 2092		CM	500	152.4	12.5	5.7	(7x33)			12.0Ω/M'							10	1.7	5.6
(300V 60°C)		CEC:	U-1000	U-304.8	27.0	12.3	.021"			39.4Ω/km							50	3.6	11.8
		CM	1000	304.8	28.0	12.7	TC										100	5.0	16.4
							31.8Ω/M'										200	6.9	22.6
							104.3Ω/km										400	9.6	31.5

Shorting Fold

**124 Ohm • 16 AWG** Solid .051" Bare Copper Conductors • Duofoil (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket (Color Code: Clear, Blue)																			
UL AWM	<b>9860</b>	NEC:	500	152.4	52.0	23.6	16 AWG	.322	8.18	Duofoil	.440	11.18	124	78%	10.9	35.8	1	.2	.6
Style 2448		CMX	1000	304.8	103.0	46.8	(solid)			+ 90%							10	.7	2.3
(30V 60°C)		CEC:	2000	609.6	202.0	91.8	.051"			TC Braid							50	1.8	5.9
VW-1		CMX					BC			1.3Ω/M'							100	2.9	9.5
							4.2Ω/M'			4.3Ω/km							200	4.1	13.5
							13.8Ω/km										400	6.2	20.3

**150 Ohm • 22 AWG** Stranded (19x34) .031" Tinned Copper Conductors • Duofoil Shield (100% Coverage) • Stranded TC Drain Wire

Datalene® Insulation • Black PVC Jacket (Color Code: Black, Yellow)																			
UL AWM	<b>9182</b>	NEC:	U-500	U-152.4	21.5	9.8	22 AWG	.275	6.98	Duofoil	.345	8.76	150	78%	8.8	28.9	1	.4	1.3
Style 2668		CMX	500	152.4	23.0	10.4	(19x34)			6.3Ω/M'							10	1.2	3.9
(30V 60°C)		CL2X	1000	304.8	44.0	20.0	.031"			20.7Ω/km							50	2.7	8.7
VW-1		CEC:					TC										100	4.3	14.1
		CMX					14.0Ω/M'										200	6.2	20.3
							45.9Ω/km										400	8.8	28.9

Shorting Fold

Plenum • Foam FEP Teflon Insulation • Black FEP Teflon Jacket (Color Code: Black, Yellow)																			
	<b>89182</b>	NEC:	100	30.5	6.4	2.9	22 AWG	.278	7.06	Duofoil	.307	7.80	150	78%	8.8	28.9	1	.4	1.3
		CMP	500	152.4	28.0	12.7	(19x34)			6.3Ω/M'							10	1.2	3.9
		CL2P	1000	304.8	53.0	24.1	.031"			20.7Ω/km							50	2.7	8.7
		CEC:					TC										100	4.3	14.1
		CMP FT6					14.0Ω/M'										200	6.2	20.3
							45.9Ω/km										400	8.8	28.9

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

Teflon is a DuPont trademark.

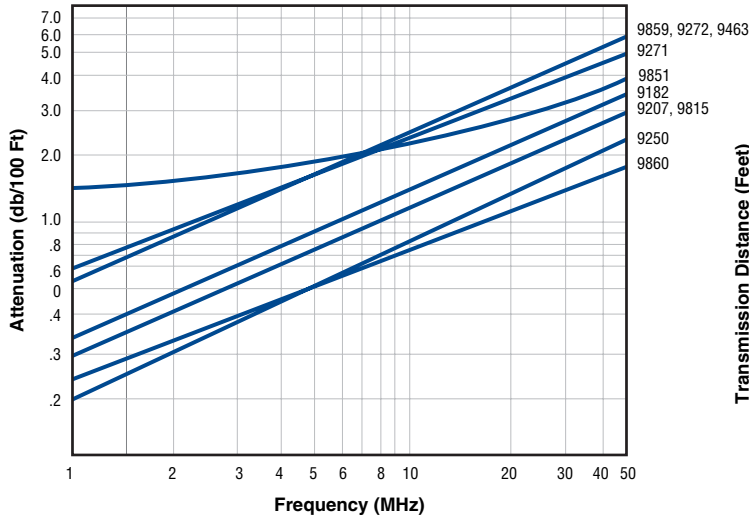


For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

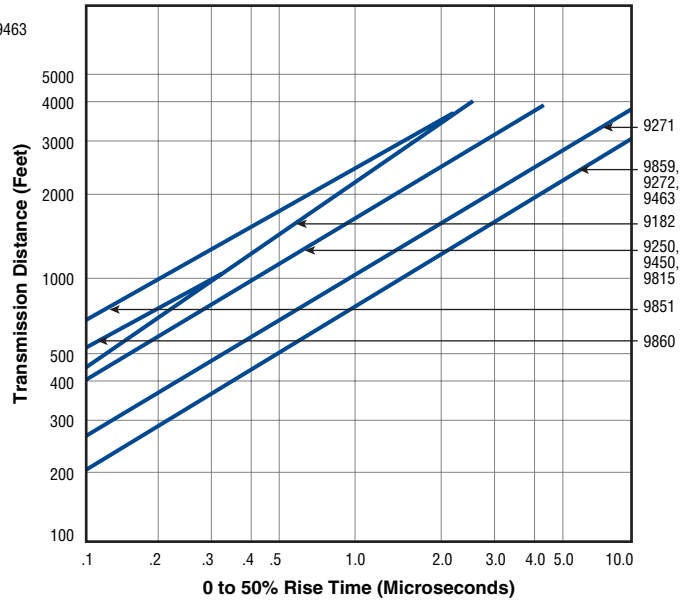
# Computer and Instrumentation Cable

## Electrical Characteristics — Twinax

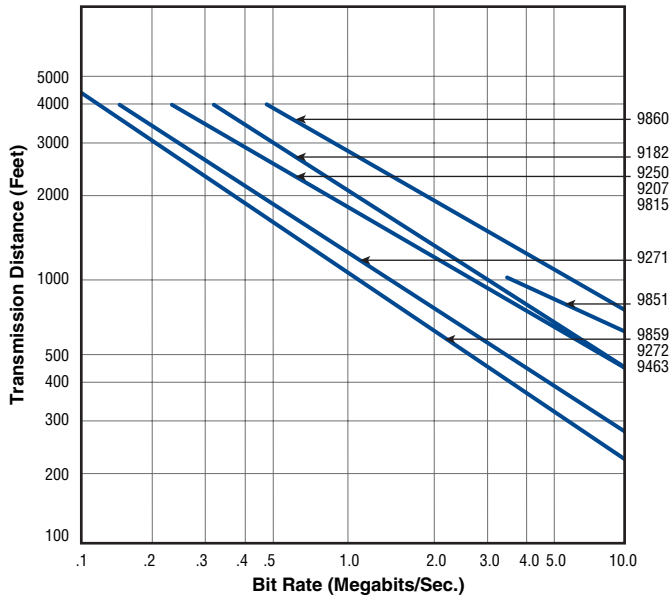
**Attenuation**



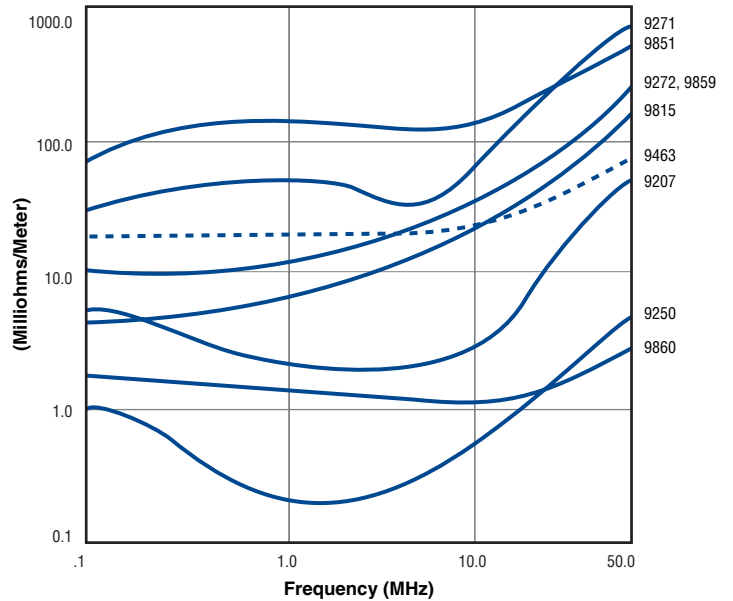
**Rise Time**



**Bit Rate**




**Transfer Impedance**




# Computer and Instrumentation Cable

## 50 Ohm Triax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
<b>RG-58A/U Type • 20 AWG</b> Stranded (7x28) .037" Tinned Copper Conductor • Double Tinned Copper Braid Shield (96% Coverage)																			
<b>Polyethylene Insulation • Yellow PVC Jacket</b> (Polyethylene Insulation between Braids)																			
75°C	9222	—	100	30.5	4.6	2.1	20 AWG (7x28)	.114	2.90	(2) TC Braids 96% Shield Coverage	.240	6.10	50	66%	30.8	101.0	1	.5	1.6
			U-500	U-152.4	19.5	8.8											10	1.5	4.9
			500	152.4	20.5	9.3	.037"			TC Inner: 9.5Ω/M' 31.0Ω/km							50	3.3	10.8
										Outer: 4.3Ω/M' 14.1Ω/km							100	4.9	16.1
																	200	7.2	23.6
																	400	12.0	39.4
																	700	18.0	57.1
																	900	22.0	72.2
																	1000	24.0	78.7

**RG-8/U Type • 11 AWG** Stranded (7x19) .108" Bare Copper Conductor • Double Bare Copper Braid Shield (96% Coverage)


<b>Foam Polyethylene Insulation • Black Polyethylene Jacket</b> (Polyethylene Insulation between Braids)																			
80°C	9888	—	500	152.4	72.5	33.0	11 AWG (7x19)	.285	7.24	(2) BC 96% Shield Coverage	.480	12.19	50	78%	26.0	85.3	1	.1	.5
			1000	304.8	140.0	63.6	.108"			BC Inner: 1.2Ω/M' 3.9Ω/km							10	.5	1.7
										Outer: 2.1Ω/M' 4.9Ω/km							50	1.2	3.9
																	100	1.8	5.9
																	200	2.7	8.9
																	400	4.2	13.8
																	700	5.8	19.0
																	900	6.7	22.0
																	1000	7.1	23.3

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

## Amateur Radio and CB Coaxial Cable Assemblies

RG-8/U Type • 50 Ohm

Description	Part No.	Standard Lengths		Standard Unit Weight		Nominal OD	
		Ft.	m	Lbs.	kg	Inch	mm
<b>RG-8/U Type • 11 AWG</b> Stranded (7x19) BC Conductor • Military-Type Braid Coverage • Fitted with PL-259 Connectors on Both Ends							
<b>Foam Polyethylene Insulation • Black PVC Jacket</b>							
	9354	50	15.24	7.1	3.2	.403	10.24
	9355	75	22.86	10.7	4.9	.403	10.24
	9356	100	30.48	14.2	6.4	.403	10.24

Coax is 8214. See page 6.69 for product details.

BC = Bare Copper

These cables are designed to be used with two-way systems, such as Citizens Band (CB), Commercial, Amateur, and Marine equipment applications. They provide a positive link between the transmitter and antenna or between the receiver and antenna.

They are capable of handling higher power requirements with lower signal losses. Packaged individually.