

XL-Dur®

UL AWM Style 3199 300V, 105°C (CSA Type CL1054)

Product Description

This insulation is a chemically cross-linked polyethylene applied in a single extrusion. This construction has excellent thermal aging characteristics, moisture resistance, and solvent resistance. It provides an economic alternative to Hypalon® where extreme flexibility is not required. The insulation resists deformation when subjected to momentary high temperatures in customer assembly processes.

Recommended maximum baking cycles:
24 hours @ 300°F (149°C) • 12 hours @ 325°F (163°C)
8 hours @ 350°F (177°C)



Stranded tinned copper conductor

UL AWM Style 3173, 3195, 3196 600V, 125°C (CSA Type CL1251)

Product Description

This insulation is a chemically cross-linked polyethylene applied in a single extrusion. This construction has excellent thermal aging characteristics, moisture resistance, and solvent resistance. It provides an economic alternative to Hypalon where extreme flexibility is not required. The insulation resists deformation when subjected to momentary high temperatures in customer assembly processes. The 356-series of XL-DUR is recommended for Class 130(B) as motor leads.

Recommended maximum baking cycles:
24 hours @ 300°F (149°C) • 12 hours @ 325°F (163°C)
8 hours @ 350°F (177°C)

Stranded Conductor



Stranded tinned copper conductor

Separator Over Conductor



Separator

Hypalon is a DuPont trademark.

Part No.	AWG (stranding) [sq. mm] (stranding in mm)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	

300V, 105°C (UL & CSA)

UL AWM Style 3199 • CSA Type CL1054										
35722	22 (7x30) [.36 (7x.25)]	.015	.38	.062	1.58	*	*	*	*	Special Order*
35720	20 (10x30) [.51 (10x.25)]	.015	.38	.073	1.85	*	*	*	*	Special Order*
35718	18 (19x30.5) [.83 (19x.24)]	.015	.38	.078	1.98	5000 ^{††}	1524.0	40.0	18.2	1, 5, 6, 9, 10
35716	16 (19x29) [1.23 (19x.29)]	.015	.38	.091	2.31	*	*	*	*	Special Order*

*Contact Belden's Customer Service Department for order requirements. 1-800-BELDEN-1.

††May contain more than one piece. Minimum length of any one piece is 200 ft.

600V, 125°C (UL & CSA)

UL AWM Style 3173 • CSA Type CL1251										
35622	22 (7x30) [.36 (7x.25)]	.030	.76	.093	2.36	5000 ^{††}	1524.0	30.0	13.6	2, 9, 10
35620	20 (10x30) [.51 (10x.25)]	.030	.76	.101	2.57	500 [†]	152.4	4.5	2.0	10
						5000 ^{††}	1524.0	40.0	18.2	2, 6, 9, 10
35618	18 (16x30) [.81 (16x.25)]	.030	.76	.109	2.77	500 [†]	152.4	5.5	2.5	2, 4, 5, 10, 13
						5000 ^{††}	1524.0	50.0	22.7	1-10, 12, 13
35616	16 (26x30) [1.32 (26x.25)]	.030	.76	.122	3.10	500 [†]	152.4	7.5	3.4	2, 4, 5, 9, 10
						5000 ^{††}	1524.0	75.0	34.1	1-6, 8-10, B02
35614	14 (41x30) [2.08 (41x.25)]	.030	.76	.137	3.48	500 [†]	152.4	10.5	4.8	10
						5000 ^{††}	1524.0	100.0	45.4	2, 5, 6, 9, 10
35612	12 (65x30) [3.29 (65x.25)]	.030	.76	.153	3.89	500 [†]	152.4	15.0	6.8	10
						3000 ^{††}	914.4	87.0	39.5	9, 10
35610	10 (65x28) [5.23 (65x.32)]	.030	.76	.177	4.50	2000 [†]	609.6	86.0	39.1	9, 10
UL AWM Style 3195 • CSA Type CL1251										
35608**	8 (133x29) [8.60 (133x.29)]	.045	1.14	.263	6.68	2000 [†]	609.6	152.0	69.0	9, 10
UL AWM Style 3196 • CSA Type CL1251										
35606**	6 (133x27) [13.61 (133x.36)]	.060	1.52	.333	8.46	2000 [†]	609.6	244.0	110.7	9, 10

**Separator over conductor.

[†]May contain more than one piece. Minimum length of any one piece is 50 ft.

^{††}May contain more than one piece. Minimum length of any one piece is 200 ft.

XL-Dur® (High-Temperature) and SIS (Switchboard) Wire

UL AWM Style 3436 and 3321 XL-Dur — 600V, 150°C (CSA Type CL1251 and AWM)

Product Description

This series of chemically cross-linked polyethylene lead wire is available for higher temperature applications. It is UL Recognized to 600V, 150°C. As with other cross-linked lead wire, it has excellent heat aging characteristics in combination with excellent electrical and physical properties.



Stranded tinned copper conductor

UL Type SIS — 600V, 90°C (UL)

Product Description

For wiring switchboards, panelboards, distribution boards, including instrument and control wiring in these applications. The wire is covered by a separator for improved strippability.



Separator
Stranded tinned copper conductor

Part No.	AWG (stranding) [sq. mm] (stranding in mm)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	

600V, 150°C (UL & CSA)

UL AWM Style 3436 and 3321 • CSA Type CL1251 and AWM										
35420	20 (10x30) [.51 (10x.25)]	.030	.76	.102	2.59	500 [†]	152.4	4.5	2.0	9
35418	18 (16x30) [.81 (16x.25)]	.030	.76	.110	2.79	500 [†]	152.4	5.5	2.5	9, 10
						5000 [†]	1524.0	50.0	22.7	10
35416	16 (26x30) [1.32 (26x.25)]	.030	.76	.123	3.12	500 [†]	152.4	7.5	3.4	9, 10
						5000 [†]	1524.0	70.0	31.8	9, 10
35414	14 (41x30) [2.08 (41x.25)]	.030	.76	.138	3.51	500 [†]	152.4	10.0	4.5	9, 10
						5000 [†]	1524.0	95.0	43.2	9, 10
35412	12 (65x30) [3.29 (65x.25)]	.030	.76	.153	3.89	500 [†]	152.4	14.5	6.6	9, 10
						5000 [†]	1524.0	140.0	63.6	9, 10
35410	10 (65x28) [5.23 (65x.32)]	.030	.76	.177	4.50	500 [†]	152.4	20.0	9.1	9, 10
						5000 [†]	1524.0	210.0	95.5	9, 10

[†]Spools may contain more than one piece. Length may vary ±10% from length shown.

600V, 90°C (UL)

UL Type SIS • VW-1										
31014	14 (41x30) [2.08 (41x.25)]	.030	.76	.144	3.66	2500 [†]	762.2	50.0	22.7	8
						5000 ^{††}	1524.0	105.0	47.7	8
31012	12 (65x30) [3.29 (65x.25)]	.030	.76	.167	4.24	3000 ^{††}	914.4	93.0	42.3	8
31010	10 (65x28) [5.23 (65x.32)]	.030	.76	.184	4.67	2500 [†]	762.2	105.0	47.7	8
31008	8 (133x29) [8.60 (133x.29)]	.045	1.14	.268	6.75	2500 [†]	762.2	190.0	86.4	8
UL Type SIS										
31014N	14 (41x30) [2.08 (41x.25)]	.030	.76	.144	3.66	2500 [†]	762.2	52.5	23.9	8
31012N	12 (65x30) [3.29 (65x.25)]	.030	.76	.167	4.24	2500 [†]	762.2	77.5	35.2	8
31010N	10 (65x28) [5.23 (65x.32)]	.030	.76	.184	4.67	2500 [†]	762.2	107.5	48.9	8
31008N	8 (133x29) [8.60 (133x.29)]	.045	1.14	.268	6.75	2500 [†]	762.2	192.5	87.3	8

[†]Spools may contain more than one piece. Length may vary ±10% from length shown.

^{††}May contain more than one piece. Minimum length of any one piece is 200 ft.