

# Standard CIR® Power Cable UL Listed as Type TC-ER

Three & Four Conductor + Ground • Gexol® Insulated • 0.6/1kV • MSHA Approved • Rated 90°C

### Insulation

GEXOL® cross-linked flame retardant polyolefin, meeting the requirements for Type P of IEEE 1580 and Type X110 of UL 1309/CSA 245. 600V/IEC 1000V.

### Safer to Handle

CIR® has no sharp metal armor edges that imperil worker's hands during splicing and installation of connectors

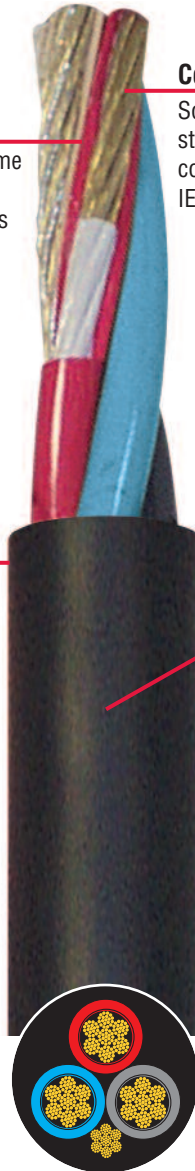
### Conductor

Soft annealed flexible stranded tinned copper per IEEE 1580 Table 11.

### Jacket

A black, flame retardant, oil, abrasion, chemical and sunlight resistant thermoplastic compound meeting UL 1309/CSA 245 and IEEE 1580.

See  
Bend Radius  
on Page 1



## Application

Designed and constructed to be a flexible alternative to Type MC cable where user desires the added crush and impact protection.

## Features

- MSHA approved (3 & 4 conductor cables))
- Passes the same stringent crush and impact testing required by UL 2225 for Type MC-HL
- Gas & vapor tight – impervious to water and air
- Smaller bend radius (up to 40% smaller) than Type MC
- Reduced tray fill (up to 35% less) compared to Type MC
- Considerably more flexible than Type MC
- Reduced installation time and cost compared to Type MC
- Glands for this product cost up to 50% LESS than those for Type MC



## Standard CIR® Ratings & Approvals

- 90°C temperature rating
- UL Listed as Type TC-ER (E123629)
- MSHA Approved (3 & 4 conductor cables)
- UL Listed as Marine Shipboard Cable (E111461)
- American Bureau of Shipping (ABS)
- Flame Retardant – IEEE 1202
- Suitable for use in Class I, Div 2 and Zone 2 environments
- Sunlight resistant
- Direct burial

Conductor Size		Number of Conductors	Grounding Conductor AWG/kcmil	Part No. 37-102	Nominal Diameter (inches)	Weight (lbs/1000 ft.)	90°C NEC Ampacity	75°C NEC Ampacity	DC Resistance at 25°C Ampacity	AC Resistance at 90°C, 60Hz (ohms/1000 ft.)	Inductive Reactance (ohms/1000 ft.)	Voltage Drop (Volts/Amp/1000 ft.)
AWG/kcmil	mm <sup>2</sup>											
14	2.1	3	14	-508CIRG	0.500	161	15	15	2.91	3.64	0.04	5.069
14	2.1	4	14	-509CIRG	0.525	187	15	15	2.91	3.64	0.04	5.072
12	3.3	3	12	-516CIRG	0.537	210	20	20	1.83	2.28	0.03	3.195
12	3.3	4	12	-517CIRG	0.580	246	20	20	1.83	2.28	0.04	3.198
10	5.2	3	10	-308CIRG	0.580	277	30	30	1.15	1.44	0.03	2.028
10	5.2	4	10	-408CIRG	0.728	367	30	28	1.15	1.44	0.03	2.031
8	7.6	3	10	-309CIRG	0.760	431	55	50	0.708	0.885	0.034	1.261
8	7.6	4	10	-409CIRG	0.821	513	44	40	0.708	0.885	0.037	1.263
6	12.5	3	8	-310CIRG	0.860	585	75	65	0.445	0.556	0.032	0.803
6	12.5	4	8	-410CIRG	0.915	705	60	52	0.445	0.556	0.035	0.806
4	21	3	6	-312CIRG	0.944	774	95	85	0.300	0.376	0.029	0.550
4	21	4	6	-412CIRG	1.039	956	76	68	0.300	0.376	0.032	0.553
2	34	3	6	-314CIRG	1.094	1105	130	115	0.184	0.230	0.028	0.347
2	34	4	6	-414CIRG	1.203	1381	104	92	0.184	0.230	0.030	0.350
1/0	54	3	6	-316CIRG	1.331	1669	170	150	0.117	0.147	0.028	0.232
1/0	54	4	6	-416CIRG	1.475	2107	136	120	0.117	0.147	0.030	0.235
2/0	70	3	4	-317CIRG	1.445	2062	195	175	0.0929	0.1174	0.0270	0.190
2/0	70	4	4	-417CIRG	1.602	2585	156	140	0.0929	0.1174	0.0296	0.193
4/0	109	3	4	-319CIRG	1.769	3151	260	230	0.0585	0.0753	0.0261	0.131
4/0	109	4	4	-419CIRG	1.953	3972	208	184	0.0585	0.0753	0.0287	0.134
250	127	3	3	-330CIRG	1.925	3493	290	255	0.0488	0.0635	0.0263	0.115
250	127	4	3	-430CIRG	2.125	4510	232	204	0.0488	0.0635	0.0290	0.118
350	177	3	3	-331CIRG	2.171	4594	350	310	0.0344	0.0456	0.0256	0.090
350	177	4	3	-431CIRG	2.402	5900	280	248	0.0344	0.0456	0.0283	0.093
500	253	3	2	-333CIRG	2.521	6207	430	380	0.0251	0.0348	0.0258	0.075
500	253	4	2	-433CIRG	2.855	8178	344	304	0.0251	0.0348	0.0284	0.078
750	380	3	1	-334CIRG	3.081	9165	535	475	0.0166	0.0253	0.0252	0.061
750	380	4	1	-434CIRG	3.365	11883	428	380	0.0166	0.0253	0.0278	0.063

Ampacities are based on Table 310.15 (B) (16) of the National Electrical Code (NEC) for conductors rated 90°C, in a multi-conductor cable, at an ambient temperature of 30°C. The 75°C column is provided for additional information. The ampacities shown apply to open runs of cable, installation in any approved raceway. Derating for more than three current carrying conductors within the cable is in accordance with NEC Table 310.15 (B) (3) (a). The ampacities shown also apply to cables installed in cable tray in accordance with NEC Section 392.80.

**For Cable Color Codes and Stranding Information See Back Cover**



# Standard CIR® Control Cable

## UL Listed as Type TC-ER

Multi-Conductor • Gexol® Insulated • 0.6/1kV • Rated 90°C



### Insulation

GEXOL® cross-linked flame retardant polyolefin, meeting the requirements for Type P of IEEE 1580 and Type X110 of UL 1309/CSA 245. 600V/IEC 1000V.

**For Cable Color Codes and Stranding Information see page 12**

### Safer to Handle

CIR® has no sharp metal armor edges that imperil worker's hands during splicing and installation of connectors

Gexol® and CIR® are registered trademarks of AmerCable Incorporated.

### Conductor

Soft annealed flexible stranded tinned copper per IEEE 1580 Table 11.

**See Page 2 for Standard CIR Ratings & Approvals**

### Jacket

A black, flame retardant, oil, abrasion, chemical and sunlight resistant thermoplastic compound meeting UL 1309/CSA 245 and IEEE 1580. Rated for direct burial.

### Application

Designed and constructed to be a flexible alternative to Type MC cable where user desires the added crush and impact protection.



### Features

- Passes the same stringent crush and impact testing required by UL 2225 for Type MC-HL
- Gas & vapor tight – impervious to water & air
- Smaller bend radius (up to 40% smaller) than Type MC
- Reduced tray fill (up to 35% less) compared to Type MC
- Considerably more flexible than Type MC
- Reduced installation time and cost compared to Type MC
- Glands for this product cost up to 50% LESS than those for Type MC

Conductor Size		Number of Conductors	Part No. 37-102	Nominal Diameter (inches)	Weight lbs/1000 ft.	90°C NEC Ampacity	75°C NEC Ampacity	DC Resistance at 25°C (ohms/1000 ft.)	AC Resistance at 90°C, 60Hz (ohms/1000 ft.)	Voltage Drop (Volts/Amp/1000 ft.)
AWG	mm2									
14	2.1	3	-508CIR	0.490	147	15	15	2.91	3.64	5.069
14	2.1	4	-509CIR	0.535	174	15	15	2.91	3.64	5.072
14	2.1	5	-510CIR	0.565	206	15	15	2.91	3.64	5.072
14	2.1	7	-521CIR	0.602	249	15	14	2.91	3.64	5.072
14	2.1	9	-764CIR	0.796	289	15	14	2.91	3.64	5.072
14	2.1	12	-585CIR	0.840	426	12	10	3.00	3.75	5.224
14	2.1	19	-765CIR	0.955	677	12	10	3.00	3.75	5.224
14	2.1	37	-514CIR	1.315	1138	10	8	3.00	3.75	5.224
12	3.3	2	-515CIR	0.537	163	20	20	1.83	2.28	3.195
12	3.3	4	-517CIR	0.580	227	20	20	1.83	2.28	3.198
12	3.3	5	-560CIR	0.682	305	20	20	1.83	2.28	3.198
12	3.3	7	-712CIR	0.735	374	20	17	1.83	2.28	3.198
12	3.3	9	-766CIR	0.893	435	20	17	1.83	2.28	3.198
12	3.3	12	-750CIR	0.913	576	15	12	1.88	2.35	3.294
12	3.3	19	-767CIR	1.145	1007	15	12	1.88	2.35	3.294
12	3.3	37	-520CIR	1.448	1739	12	10	1.88	2.35	2.028
10	5.2	3	-308CIR	0.580	243	30	30	1.15	1.44	2.031
10	5.2	4	-408CIR	0.685	335	30	28	1.15	1.44	2.031
10	5.2	5	-561CIR	0.740	397	30	28	1.15	1.44	2.031
10	5.2	7	-591CIR	0.795	488	28	24	1.15	1.44	2.031
10	5.2	9	-768CIR	0.805	575	28	24	1.15	1.44	2.031
10	5.2	12	-762CIR	1.079	980	20	17	1.18	1.48	2.092

Ampacities are based on Table 310.15 (B) (16) of the National Electrical Code (NEC) for conductors rated 90°C, in a multi-conductor cable, at an ambient temperature of 30°C. The 75°C column is provided for additional information. The ampacities shown apply to open runs of cable, installation in any approved raceway. Derating for more than three current carrying conductors within the cable is in accordance with NEC Table 310.15 (B) (3) (a). The ampacities shown also apply to cables installed in cable tray in accordance with NEC Section 392.80.

# Standard CIR® Instrumentation Cable

## UL Listed as Type TC-ER

Individually Shielded Pairs/Triads • Gexol® Insulated • 0.6/1kV • Rated 90°C



### Insulation

GEXOL® cross-linked flame retardant polyolefin, meeting the requirements for Type P of IEEE 1580 and Type X110 of UL 1309/CSA 245. 600V/IEC 1000V.

### Safer to Handle

CIR® has no sharp metal armor edges that imperil worker's hands during splicing and installation of connectors

### Conductor

Soft annealed flexible stranded tinned copper per IEEE 1580 Table 11.

### Pairs/Triads

Each pair/triad is twisted with a bare tinned drain wire. Each pair/triad is shielded with polyester-backed aluminum foil tape to afford 100% coverage. Pair to pair, or triad to triad, isolation – plus overall shielding – is provided.

### Jacket

A black, flame retardant, oil, abrasion, chemical and sunlight resistant thermoplastic compound meeting UL 1309/CSA 245 and IEEE 1580. Rated for direct burial.

### Application

Designed and constructed to be a flexible alternative to Type MC cable where user desires the added crush and impact protection.



### Features

- Passes the same stringent crush and impact testing required by UL 2225 for Type MC-HL
- Gas & vapor tight – impervious to water & air
- Smaller bend radius (up to 40% smaller) than Type MC
- Reduced tray fill (up to 35% less) compared to Type MC
- Considerably more flexible than Type MC
- Reduced installation time and cost compared to Type MC
- Glands for this product cost up to 50% LESS than those for Type MC

**See Page 2 for Standard CIR Ratings & Approvals**

**For Cable Color Codes and Stranding Information See Back Cover**

**See Bend Radius on Page 1**

Conductor Size		Pairs	Triads	Part No. 37-102	Nominal Diameter (inches)	Weight (lbs/1000 ft.)	DC Resistance 20°C (ohms/1000 ft.)	Mutual Capacitance (nF/1000 ft.)	Inductance (mH/1000 ft.)
AWG	mm2								
16	1.3	1	–	-610CIR	0.440	106	4.52	32	0.20
16	1.3	2	–	-611CIR	0.700	279	4.52	32	0.20
16	1.3	4	–	-613CIR	0.750	340	4.52	32	0.20
16	1.3	8	–	-616CIR	1.048	702	4.52	32	0.20
16	1.3	12	–	-618CIR	1.216	1062	4.52	32	0.20
16	1.3	24	–	-699CIR	1.472	1560	4.52	32	0.20
16	1.3	–	1	-668CIR	0.470	128	4.52	32	0.20
16	1.3	–	4	-698CIR	0.930	453	4.52	32	0.20
16	1.3	–	8	-677CIR	1.130	825	4.52	32	0.20
16	1.3	–	12	-734CIR	1.395	1235	4.52	32	0.20

### VALUES:

#### #16 Pairs / Triads

Capacitance – nF/1000 feet = 32

Inductance – mH/1000 = 0.20

Resistance – Ohms/1000 feet = 4.52 (@ 20°C)

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# Standard CIR<sup>®</sup> Type VFD Power Cable

## UL Listed as Type TC-ER

Three Conductor • Gexol<sup>®</sup> Insulated • 2kV • Rated 90°C

### Power Conductors (x3)

Soft annealed flexible stranded tinned copper per IEEE 1580 Table 11.

### Insulation (2kV)

Gexol<sup>®</sup> cross-linked flame retardant polyolefin, meeting the requirements for Type P of IEEE 1580 and Type X110 of UL 1309/CSA 245. Color: Gray with printed phase I.D. (Black-White-Red)

### Jacket

A black, flame retardant, oil, abrasion, chemical and sunlight resistant thermoplastic compound meeting UL 1309/CSA 245 and IEEE 1580.

### Ground Conductors (x3)

Soft annealed flexible stranded tinned copper per IEEE 1580 Table 11. Gexol<sup>®</sup> insulation sized per UL 1277. Color: Green

### Shield

Overall tinned copper braid plus aluminum/polyester tape providing 100% coverage.

### Safer to Handle

CIR<sup>®</sup> has no sharp metal armor edges that imperil worker's hands during splicing and installation of connectors



## Application

A flexible, braid and foil shielded, 2kV power cable specifically engineered for use in variable frequency AC motor drive (VFD) applications.

## Features

- Specially engineered cable design produces a longer cable life in VFD applications.
- Overall braid and foil shield provides 100% coverage containing VFD EMI emissions.
- Symmetrical insulated ground conductors reduce induced voltage imbalances and carry common mode noise back to the drive.
- High strand count conductors and braid shield design is much more flexible, easier to install and more resistant to vibration than Type MC cable.
- Gexol's lower dielectric constant (standard XLPEs, EPRs and other Type P insulation materials have higher dielectric constants) reduces reflected wave peak voltage magnitudes. This allows for longer output cable distances and minimizes the effect of high frequency noise induced into the plant ground system.
- 2kV insulation thickness resists the repetitive 2x voltage spikes from 600V VFDs and reduces drive over current trip problems due to cable charging current.
- Passes the same stringent crush and impact testing required by UL 2225 for Type MC-HL
- Gas & vapor tight – impervious to water and air
- Smaller bend radius (up to 40% smaller) than Type MC
- Reduced tray fill (up to 35% less) compared to Type MC
- Considerably more flexible than Type MC
- Reduced installation time and cost compared to Type MC
- Glands for this product cost up to 50% LESS than those for Type MC

## CIR<sup>®</sup> VFD Ratings & Approvals

- 90°C temperature rating
- UL Listed as Marine Shipboard Cable (E111461)
- UL Listed as Type TC-ER
- American Bureau of Shipping (ABS)
- Flame Retardant – IEEE 1202
- Suitable for use in Class I, Div 2 and Zone 2 environments
- Sunlight resistant
- Direct burial

Size AWG/kcmil	Part No. 37-102	Nominal Diameter Inches*	Weight Per 1000 Ft.	DC Resist. @ 25°C (Ohms/1k ft)	AC Resist. @ 90°C, 60 Hz (Ohms/1k ft)	Inductive Reactance (Ohms/1k ft)	Voltage Drop @ 90°C (Volts/Amp/1k ft)	Green Insulated Grounding Size (AWG)	IEEE Ampacity 90°C	NEC Ampacity 90°C	IEEE Ampacity 75°C	NEC Ampacity 75°C
14	-508CIRVFD	0.768	297	2.907	3.635	0.040	5.073	18	24	15	20	15
12	-516CIRVFD	0.792	376	1.826	2.283	0.038	3.199	18	29	20	24	20
10	-308CIRVFD	0.888	492	1.153	1.441	0.036	2.032	14	38	30	32	30
8	-309CIRVFD	0.926	560	0.708	0.885	0.037	1.263	14	48	55	41	50
6	-310CIRVFD	1.051	826	0.445	0.556	0.033	0.804	12	65	75	54	65
4	-312CIRVFD	1.093	945	0.300	0.376	0.031	0.552	12	83	95	70	85
2	-314CIRVFD	1.225	1298	0.184	0.230	0.029	0.348	10	111	130	93	115
1	-315CIRVFD	1.341	1602	0.147	0.184	0.029	0.285	10	131	145	110	130
1/0	-316CIRVFD	1.447	1908	0.117	0.147	0.029	0.234	10	150	170	126	150
2/0	-317CIRVFD	1.566	2287	0.093	0.117	0.028	0.192	10	173	195	145	175
4/0	-319CIRVFD	1.874	3360	0.058	0.075	0.027	0.132	8	232	260	194	230
262	-320CIRVFD	2.031	4200	0.048	0.063	0.027	0.115	6	273	297	228	262
313	-321CIRVFD	2.130	4787	0.040	0.053	0.026	0.100	6	298	328	249	292
373	-322CIRVFD	2.257	5634	0.034	0.045	0.025	0.088	6	332	364	277	322
444	-323CIRVFD	2.400	6410	0.028	0.039	0.025	0.080	6	382	402	319	355
535	-324CIRVFD	2.705	7853	0.024	0.033	0.026	0.072	6	407	446	340	394
646	-326CIRVFD	2.898	9368	0.020	0.028	0.026	0.065	4	474	496	396	438
777	-327CIRVFD	3.102	11137	0.016	0.025	0.025	0.060	4	516	546	431	483

\*Cable diameters are subject to a +/- 5% manufacturing tolerance

Ampacities are based on Table 310.15 (B) (16) of the National Electrical Code (NEC) for conductors rated 90°C, in a multi-conductor cable, at an ambient temperature of 30°C. The 75°C column is provided for additional information. The ampacities shown apply to open runs of cable, installation in any approved raceway. Derating for more than three current carrying conductors within the cable is in accordance with NEC Table 310.15 (B) (3) (a). The ampacities shown also apply to cables installed in cable tray in accordance with NEC Section 392.80.



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# Arctic Grade CIR® Power Cable

## Type TC-ER-HL\*

Three & Four Conductor + Ground • Gexol® Insulated • 0.6/1kV • Rated 90°C

### Insulation

GEXOL® cross-linked flame retardant polyolefin, meeting the requirements for Type P of IEEE 1580 and Type X110 of UL 1309/CSA 245. 600V/IEC 1000V.

### Safer to Handle

CIR® has no sharp metal armor edges that imperil worker's hands during splicing and installation of connectors



### Conductor

Soft annealed flexible stranded tinned copper per IEEE 1580 Table 11.

Brittlepoint as per ASTM D 746-07 exceeds -65°C for Jacket and -75°C for Insulation

### Jacket

A black, flame retardant, oil, abrasion, chemical and sunlight resistant thermoset compound meeting UL 1309/CSA 245 and IEEE 1580.



See Bend Radius on Page 1

## Application

Designed and constructed to be a flexible alternative to Type MC cable where user desires crush and impact protection in arctic conditions.

## Features

- Complies with the requirements for TC-ER-HL per UL 2225\*
- Exceeds CSA cold bend / cold impact (-40°C / -35°C)
- Gas & vapor tight – impervious to water and air
- Smaller bend radius (up to 40% smaller) than Type MC
- Reduced tray fill (up to 35% less) compared to Type MC
- Considerably more flexible than Type MC
- Reduced installation time and cost compared to Type MC
- Glands for this product cost up to 50% LESS than those for Type MC



\*cables up to 1" in diameter

## CIR® Arctic Grade Ratings & Approvals

- 90°C temperature rating
- UL Listed as Marine Shipboard Cable (E111461)
- UL Listed as Type TC-ER
- UL Listed as TC-ER-HL\*
- American Bureau of Shipping (ABS)
- Flame Retardant – IEEE 1202
- Suitable for use in Class I, Div 2 and Zone 2 environments
- Suitable for Class 1, Div 1 and Zone 1 environments\*

\*Cables up to 1" in diameter



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Conductor Size		Number of Conductors	Grounding Conductor AWG/kcmil	Part No. 37-102*	Nominal Diameter (inches)	Weight (lbs/1000 ft.)	90°C NEC Ampacity	75°C NEC Ampacity	DC Resistance at 25°C Ampacity	AC Resistance at 90°C, 60Hz (ohms/1000 ft.)	Inductive Reactance (ohms/1000 ft.)	Voltage Drop (Volts/Amp/1000 ft.)
AWG/kcmil	mm <sup>2</sup>											
14	2.1	3	14	-508CIRGAG	0.535	187	15	15	2.91	3.64	0.04	5.069
14	2.1	4	14	-509CIRGAG	0.572	206	15	15	2.91	3.64	0.04	5.072
12	3.3	3	12	-516CIRGAG	0.580	246	20	20	1.83	2.28	0.03	3.195
12	3.3	4	12	-517CIRGAG	0.685	305	20	20	1.83	2.28	0.04	3.198
10	5.2	3	10	-308CIRGAG	0.685	367	30	30	1.15	1.44	0.03	2.028
10	5.2	4	10	-408CIRGAG	0.740	397	30	28	1.15	1.44	0.03	2.031
8	7.6	3	10	-309CIRGAG	0.821	431	55	50	0.708	0.885	0.034	1.261
8	7.6	4	10	-409CIRGAG	0.888	513	44	40	0.708	0.885	0.037	1.263
6	12.5	3	8	-310CIRGAG	0.915	585	75	65	0.445	0.556	0.032	0.803
6	12.5	4	8	-410CIRGAG	1.100	705	60	52	0.445	0.556	0.035	0.806
4	21	3	6	-312CIRGAG	0.944	774	95	85	0.300	0.376	0.029	0.550
4	21	4	6	-412CIRGAG	1.036	956	76	68	0.300	0.376	0.032	0.553
2	34	3	6	-314CIRGAG	1.100	1105	130	115	0.184	0.230	0.028	0.347
2	34	4	6	-414CIRGAG	1.203	1381	104	92	0.184	0.230	0.030	0.350
1/0	54	3	6	-316CIRGAG	1.329	1669	170	150	0.117	0.147	0.028	0.232
1/0	54	4	6	-416CIRGAG	1.468	2107	136	120	0.117	0.147	0.030	0.235
2/0	70	3	4	-317CIRGAG	1.445	2062	195	175	0.0929	0.1174	0.0270	0.190
2/0	70	4	4	-417CIRGAG	1.602	2585	156	140	0.0929	0.1174	0.0296	0.193
4/0	109	3	4	-319CIRGAG	1.792	3151	260	230	0.0585	0.0753	0.0261	0.131
4/0	109	4	4	-419CIRGAG	1.948	3972	208	184	0.0585	0.0753	0.0287	0.134
250	127	3	3	-330CIRGAG	1.925	3493	290	255	0.0488	0.0635	0.0263	0.115
250	127	4	3	-430CIRGAG	2.106	4510	232	204	0.0488	0.0635	0.0290	0.118
350	177	3	3	-331CIRGAG	2.206	4594	350	310	0.0344	0.0456	0.0256	0.090
350	177	4	3	-431CIRGAG	2.440	5900	280	248	0.0344	0.0456	0.0283	0.093
500	253	3	2	-333CIRGAG	2.540	6207	430	380	0.0251	0.0348	0.0258	0.075
500	253	4	2	-433CIRGAG	2.872	8178	344	304	0.0251	0.0348	0.0284	0.078
750	380	3	1	-334CIRGAG	3.081	9165	535	475	0.0166	0.0253	0.0252	0.061
750	380	4	1	-434CIRGAG	3.352	11883	428	380	0.0166	0.0253	0.0278	0.063

Ampacities are based on Table 310.16 of the National Electrical Code (NEC) for conductors rate 90°C, in a multi-conductor cable, at an ambient temperature of 30°C. The 75°C column is provided for additional information. The ampacities shown apply to open runs of cable, installation in any approved raceway. Derating for more than three current carrying conductors within the cable is in accordance with NEC Table 310.15 (B) (2) (a). The ampacities shown also apply to cables installed in cable tray in accordance with NEC Section 392.11.



**For Cable Color Codes  
and Stranding Information  
See Back Cover**

## Hawke Gland Types

Hawke Gland Types	Type CIR
Industrial & Safe Area (IP68)	121
Increased Safety "EExe"	501/421
Explosion Proof	710 Class I, Div. 2 Class I, Zone 1 & 2
Flameproof "EExd"	501/421 Zone 1 & 2