

CIR® Control Cable Gexol® Insulated • Arctic Grade

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



Insulation

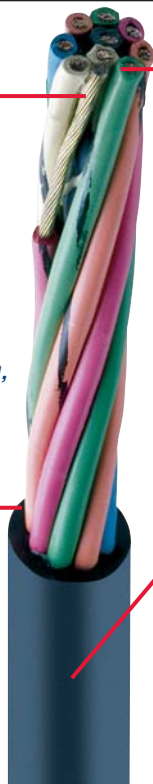
GEXOL® cross-linked flame retardant polyolefin, meeting the requirements for Type P of IEEE 1580 and Type X110 of UL 1309/CSA 245. 600V/IEC 1000V.

For Cable Color Codes and Stranding Information, see Page 5.

Safe to Handle

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

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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.

Application

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

Features

- Exceeds CSA cold bend / cold impact (-40°C / -35°C)
- 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 1 for Ratings & Approvals

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	2	-507CIRAG	0.466	129	15	15	2.91	3.64	5.069
14	2.1	3	-508CIRAG	0.487	147	15	15	2.91	3.64	5.069
14	2.1	4	-509CIRAG	0.535	174	15	15	2.91	3.64	5.072
14	2.1	5	-510CIRAG	0.562	206	15	15	2.91	3.64	5.072
14	2.1	7	-521CIRAG	0.602	249	15	14	2.91	3.64	5.072
14	2.1	9	-764CIRAG	0.796	289	15	14	2.91	3.64	5.072
14	2.1	12	-585CIRAG	0.839	426	12	10	3.00	3.75	5.224
14	2.1	19	-765CIRAG	0.933	677	12	10	3.00	3.75	5.224
14	2.1	37	-514CIRAG	1.287	1138	10	8	3.00	3.75	5.224
12	3.3	2	-515CIRAG	0.512	163	20	20	1.83	2.28	3.195
12	3.3	3	-516CIRAG	0.532	192	20	20	1.83	2.28	3.195
12	3.3	4	-517CIRAG	0.578	227	20	20	1.83	2.28	3.198
12	3.3	5	-560CIRAG	0.682	305	20	20	1.83	2.28	3.198
12	3.3	7	-712CIRAG	0.730	374	20	17	1.83	2.28	3.198
12	3.3	9	-766CIRAG	0.893	435	20	17	1.83	2.28	3.198
12	3.3	12	-750CIRAG	0.913	576	15	12	1.88	2.35	3.294
12	3.3	19	-767CIRAG	1.130	1007	15	12	1.88	2.35	3.294
12	3.3	37	-520CIRAG	1.448	1739	12	10	1.88	2.35	2.028
10	5.2	2	-553CIRAG	0.552	204	30	30	1.15	2.35	2.028
10	5.2	3	-308CIRAG	0.580	243	30	30	1.15	1.44	2.031
10	5.2	4	-408CIRAG	0.685	335	30	28	1.15	1.44	2.031
10	5.2	5	-561CIRAG	0.736	397	30	28	1.15	1.44	2.031
10	5.2	7	-591CIRAG	0.790	488	28	24	1.15	1.44	2.031
10	5.2	9	-768CIRAG	0.805	575	28	24	1.15	1.44	2.031
10	5.2	12	-762CIRAG	1.079	980	20	17	1.18	1.48	2.092

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.