

CIR® Instrumentation Cable Gexol® Insulated

Individually Shielded Pairs/Triads • 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.

Safe to Handle

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

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



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 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		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	–	-610CIRAG	0.437	106	4.52	32	0.20
16	1.3	2	–	-611CIRAG	0.700	279	4.52	32	0.20
16	1.3	4	–	-613CIRAG	0.790	340	4.52	32	0.20
16	1.3	8	–	-616CIRAG	1.075	702	4.52	32	0.20
16	1.3	12	–	-618CIRAG	1.275	1062	4.52	32	0.20
16	1.3	24	–	-699CIRAG	1.637	1560	4.52	32	0.20
16	1.3	–	1	-668CIRAG	0.467	128	4.52	32	0.20
16	1.3	–	4	-698CIRAG	0.930	453	4.52	32	0.20
16	1.3	–	8	-677CIRAG	1.130	825	4.52	32	0.20
16	1.3	–	12	-734CIRAG	1.380	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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