

Gardex® CC

Continuous Corrugated Aluminum Armor Control Cable

XLPE Insulation
Low Smoke, CSPE Jacket

90°C*, 600 Volt
NEC Type MC
UL Listed

Spec. RSS-8-001

Scope

Gardex® CC cross-linked polyethylene insulated Continuous Corrugated Aluminum Armored Transit Cable is engineered for use in power and lighting circuits in transit system tunnels and stations. The cable is suitable for use in wet and dry locations, indoors and outdoors, in trays, ducts, self-supported, or buried directly in earth.

Features

- Self-contained conduit and wiring system
- Low smoke jacket
- Flame retardant
- Extremely rugged
- Superior mechanical properties
- Excellent electrical characteristics
- Easily installed
- Superior crush resistance
- Outstanding abrasion and cut-through resistance
- Continuous sheath is impervious to oils, chemicals and moisture

Performance Standards

- Conductors in accordance with ASTM B-8 and B-33
- Insulation in accordance with ICEA S-95-658 and UL 44 for Type XHHW-2
- Armor in accordance with UL Standard 1569
- Jacket in accordance with ICEA S-95-658 and UL 1569
- UL listed
- NEC Type MC
- Cable passes IEEE-383 1974 vertical tray flame test, ICEA T-30-520 (70,000 BTU/hr) and ICEA T-29-520 (210,000 BTU/hr) vertical tray flame test
- Approved for use in Class I Division 2 hazardous locations

Construction

Conductor:

Annealed copper, tin coated Class "B" strand

Insulation:

Proprietary heat, moisture, ozone and chemical resistant, flame retardant, cross-linked polyethylene (XLPE), ICEA S-95-658 Table 3-1 Column "B" thickness

Circuit Identification:

ICEA Method 1, Table K-2

Fillers:

(When required)

Binder Tape:

Helically applied

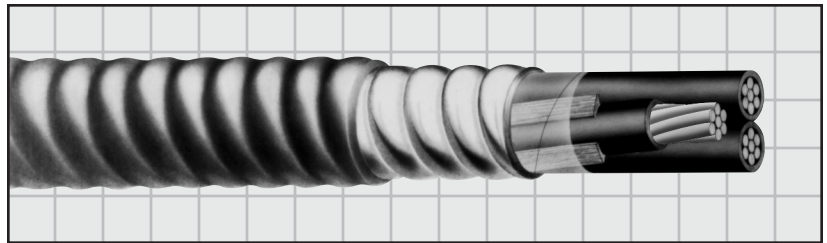
Armor:

Gardex® CC continuous corrugated impervious aluminum armor

Jacket:

Heat, moisture, ozone, sunlight, oil and chemical resistant, flame retardant, Low Smoke CSPE (also available in neoprene or LSZH jackets)

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Product Code	Size (AWG)	Number of Conductors	Insulation Thickness (Inch) (mm)	Core Diameter (Inch)	Armor Thickness (Mils)	Armor Overall Diameter (Mils)	Jacket Thickness (Mils)	Nominal Overall Diameter (Inch)	Approximate Net Weight (Lbs/M')
S15-5268	14	2	.030 .76	.27	25	.440	50	.55	160
S15-5269	14	3	.030 .76	.29	25	.480	50	.59	165
S15-5270	14	4	.030 .76	.33	25	.540	50	.65	220
S15-5271	14	5	.030 .76	.37	25	.540	50	.65	240
S15-5272	14	7	.030 .76	.41	25	.580	50	.69	285
S15-5273	14	9	.030 .76	.49	25	.700	50	.81	360
S15-5274	14	12	.030 .76	.56	25	.780	50	.88	430
S15-5275	14	16	.030 .76	.63	25	.880	50	.99	535
S15-5276	14	19	.030 .76	.67	25	.960	50	1.03	600
S15-5277	14	25	.030 .76	.80	25	1.12	50	1.23	770
S16-3659	14	37	.030 .76	.94	25	1.18	50	1.29	1015
S15-5278	12	2	.030 .76	.31	25	.480	50	.59	185
S15-5279	12	3	.030 .76	.34	25	.540	50	.65	230
S15-5280	12	4	.030 .76	.38	25	.580	50	.69	265
S15-5281	12	5	.030 .76	.42	25	.620	50	.73	305
S15-5282	12	7	.030 .76	.47	25	.660	50	.77	365
S15-5283	12	9	.030 .76	.56	25	.780	50	.88	450
S15-5284	12	12	.030 .76	.64	25	.880	50	.99	560
S15-5285	12	16	.030 .76	.72	25	.970	50	1.07	700
S15-5286	12	19	.030 .76	.77	25	1.02	50	1.12	790
S15-5287	10	2	.030 .76	.36	25	.540	50	.65	230
S15-5288	10	3	.030 .76	.39	25	.580	50	.69	280
S15-5289	10	4	.030 .76	.43	25	.620	50	.73	335
S15-5290	10	5	.030 .76	.48	25	.700	50	.81	400
S15-5291	10	7	.030 .76	.53	25	.740	50	.85	490
S15-5292	10	9	.030 .76	.64	25	.880	50	.99	610
S15-5293	10	12	.030 .76	.74	25	1.02	50	1.12	765

* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.