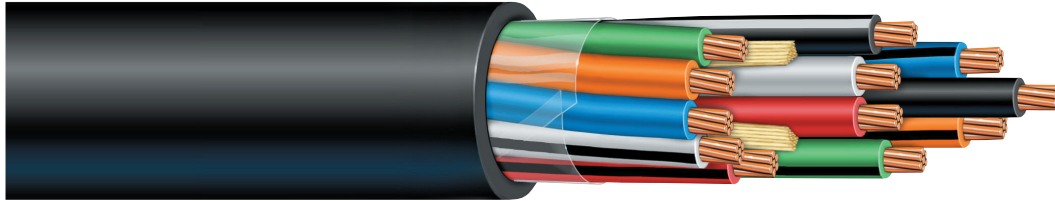


Control Cable with XLPE Insulation

Multiconductor / 16, 14, 12 and 10 AWG / LSZH, TPO or XLPO jacket / 600 volt



Applications

These are multiple conductor control tray cables with crosslinked (thermoset) polyethylene (XLPE) insulation and a choice of either a thermoplastic polyolefin (TPO) or a crosslinked (thermoset) polyolefin (XLPO) jacket. These cables are suitable for use in cable trays or aerial installations.

Ratings

- UL Standard 44 and 1277
- ICEA S-73-532 (NEMA WC 57)
- IEEE 383

Construction

CONDUCTOR: Class B (7 strand), soft drawn, bare or tinned copper per ASTM B3, ASTM B8 and ASTM B33.

INSULATION: Crosslinked polyethylene (XLPE) that meets ICEA S-73-532 (NEMA WC 57) and UL 44 acceptable for 90°C wet and dry locations. Completely non-halogen constructions that can withstand 75°C wet/90°C dry environments are available upon request.

CIRCUIT IDENTIFICATION: Appendix E, Method 1, Table E-1 or E-2 of ICEA S-73-532 (NEMA WC 57).

ASSEMBLY: Polymeric insulation filled with a moisture-resistant material to prevent water penetration. Fillers (when needed) are dielectric material.

OVERALL JACKET: Black sunlight-resistant, flame-retardant, low smoke thermoplastic TPO or XLPO that meets UL 1277.

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Part Number	Conductor Number	Conductor Size	Stranding	Average Insulation Thickness in (cm)	Average Jacket Thickness in (mm)	Cable O.D. in (mm)	Approx. Cable Weight Lbs/Mft (Kg/Km)
816-02	2	16 AWG	7/.0192	.030 (.76)	.045 (1.1)	0.360 (9.1)	63 (93)
816-04	4	16 AWG	7/.0192	.030 (.76)	.045 (1.1)	0.410 (10.4)	98 (145)
816-06	6	16 AWG	7/.0192	.030 (.76)	.045 (1.1)	0.490 (12.4)	135 (414)
816-07	7	16 AWG	7/.0192	.030 (.76)	.045 (1.1)	0.490 (12.4)	149 (221)
816-09	9	16 AWG	7/.0192	.030 (.76)	.060 (1.5)	0.600 (15.2)	208 (308)
816-12	12	16 AWG	7/.0192	.030 (.76)	.060 (1.5)	0.670 (17.0)	263 (389)
816-19	19	16 AWG	7/.0192	.030 (.76)	.060 (1.5)	0.780 (19.8)	381 (564)
816-20	20	16 AWG	7/.0192	.030 (.76)	.060 (1.5)	0.815 (20.7)	401 (593)
814-02	2	14 AWG	7/.0242	.030 (.76)	.045 (1.1)	0.385 (9.8)	77 (114)
812-03	3	12 AWG	7/.0305	.030 (.76)	.045 (1.1)	0.445 (11.3)	130 (192)
812-04	4	12 AWG	7/.0305	.030 (.76)	.045 (1.1)	0.490 (12.4)	164 (243)
810-02	2	10 AWG	7/.0385	.030 (.76)	.045 (1.1)	0.470 (11.9)	132 (195)
810-03	3	10 AWG	7/.0385	.030 (.76)	.045 (1.1)	0.500 (12.7)	179 (264)
810-04	4	10 AWG	7/.0385	.030 (.76)	.060 (1.5)	0.580 (14.7)	247 (366)

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

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