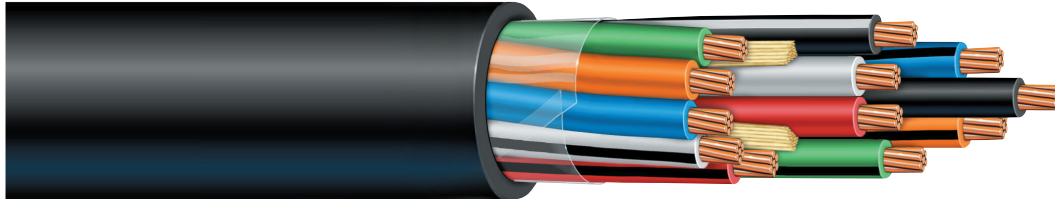


## Reduced Diameter Control Cable with XLPE Insulation

Multiconductor / 18, 16, 14 & 12 AWG / LSZH TPO or XLPO jacket / 600 volt



### Applications

These are multiple conductor control tray cables constructed with a reduced diameter. Crosslinked polyethylene (XLPE) insulation and a choice of either a thermoplastic polyolefin (TPO) or a crosslinked polyolefin (XLPO) jacket allows the cable to meet the UL 1685 standard for limited smoke. These cables are suitable for use in cable trays or aerial installations. These cables meet UL 1685 for a UL "LS" (limited smoke) designation.

### Ratings

- UL Standard 44, 1277 and 1685
- 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:** Reduced thickness 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:** Conductors are color coded per ICEA S-73-532 (NEMA WC 57) Appendix E, Method 1, Table E-1 or E-2.

**ASSEMBLY:** Individual conductors are cabled with non-hygroscopic fillers where necessary to form a round compact core and wrapped with a binder of polyester tape.

**JACKET:** Reduced wall thickness, sunlight-resistant, flame-retardant and LSZH black TPO or XLPO that meets UL 1277.

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Part Number	Number of Conductors	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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