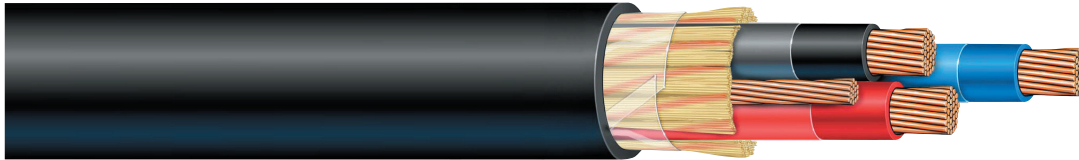


Reduced Diameter Power Cable With Grounds

three XLPE insulated conductors with grounds / 12 AWG to 750 KCMIL
TPO or XLPO jacket / 600 volt



Applications

These are multiple conductor power 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 low smoke. These cables are suitable for use in cable trays, wet or dry locations, conduit or aerial installations. These cables meet UL 1685 for a UL "LS" (limited smoke) designation.

Ratings

- UL Standard 44, 1277 and 1685
- ICEA S-95-658 (NEMA WC-70)
- IEEE 383

Construction

CONDUCTOR: Class B soft-drawn bare or tinned copper per ASTM B 3, ASTM B 8 and ASTM B33.

INSULATION: Reduced thickness crosslinked polyethylene (XLPE) that meets ICEA S-95-658 (NEMA WC 70) 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.

GROUND: Three uninsulated Class B soft-drawn bare or tinned copper per ASTM B 3, ASTM B 8 and ASTM B33.

CIRCUIT IDENTIFICATION: For 12 and 10 AWG, see color code per Appendix E, Method 1, Table E-1 or E-2 of ICEA S-73-532 (NEMA WC 57). For 8 AWG and larger, see color code per Appendix E, Method 4 of ICEA S-73-532 (NEMA WC 57).

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

OVERALL JACKET: Black reduced wall thickness and sunlight-resistant, flame-retardant, low smoke and zero halogen TPO or XLPO that meets UL 1277.

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Part Number	Conductor Size	Stranding	Average Ground Size	Average Insulation Thickness in (mm)	Average Jacket Thickness in (mm)	Approximate Cable O.D in (mm)	Cable Weight Lbs/Mft (Kg/Km)
130-12	12 AWG	7/.0305	3-16 AWG	.020 (.51)	.030 (.76)	0.370 (9.4)	129 (190)
130-10	10 AWG	7/.0385	3-14 AWG	.020 (.51)	.030 (.76)	0.420 (10.7)	156 (231)
130-08	8 AWG	7/.0486	3-14 AWG	.035 (.89)	.045 (1.1)	0.590 (15.0)	300 (444)
130-06	6 AWG	7/.0612	3-12 AWG	.035 (.89)	.045 (1.1)	0.680 (17.3)	437 (647)
130-04	4 AWG	7/.0772	3-12 AWG	.035 (.89)	.045 (1.1)	0.785 (19.9)	610 (901)
130-02	2 AWG	7/.0974	3-10 AWG	.035 (.89)	.065 (1.6)	0.960 (24.4)	960 (1421)
130-01	1 AWG	19/.0664	3-10 AWG	.045 (1.1)	.065 (1.6)	1.080 (27.4)	1167 (1727)
130-100	1/0 AWG	19/.0745	3-10 AWG	.045 (1.1)	.065 (1.6)	1.185 (30.1)	1414 (2093)
130-200	2/0 AWG	19/.0837	3-10 AWG	.045 (1.1)	.065 (1.6)	1.285 (32.6)	1711 (2532)
130-300	3/0 AWG	19/.0940	3-8 AWG	.045 (1.1)	.065 (1.6)	1.405 (35.7)	2139 (3166)
130-400	4/0 AWG	19/.1055	3-8 AWG	.045 (1.1)	.065 (1.6)	1.535 (39.0)	2603 (3852)
130-250	250 KCMIL	37/.0822	3-8 AWG	.055 (1.4)	.065 (1.6)	1.685 (42.8)	3049 (4513)
130-350	350 KCMIL	37/.0973	3-6 AWG	.055 (1.4)	.095 (2.4)	1.990 (50.5)	4329 (6407)
130-500	500 KCMIL	37/.1162	3-6 AWG	.055 (1.4)	.095 (2.4)	2.285 (58.0)	5900 (8732)
130-750	750 KCMIL	61/.1109	3-4 AWG	.070 (1.8)	.095 (2.4)	2.730 (69.3)	8748 (12947)

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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