

Product Data Sheet

Shielded Substation Control Cable



Product Description

XLP insulation
CPE jacket
90°C, 600 V

Applications

Designed for power and control, telemetering, relay control, traffic control, switching, lighting and signal transmission in substation applications. May be used in Class 1, Div. 2 Hazardous Locations per 2008 NEC Art. 501. These cables also conform to 2008 NEC Article 336 Power and Control Tray Cable (Type TC).

Specifications

- CONDUCTORS: Class B stranded copper per ASTM B-3 and B-8
- INSULATION: Cross-Linked Polyethylene (XLP) per ICEA S-73-532 (NEMA WC57), meets UL 44 requirements for VW-1, Type XHHW-2 conductors
- COLOR CODE: ICEA Method 1, Table E-2 (formerly K-2) for 14-10 AWG, ICEA Method 4 (printed numbers) for 8 AWG
- ASSEMBLY: Conductors are cabled with fillers where necessary to make round
- SHIELD: .005 in. (5-mil) longitudinally applied corrugated copper tape
- OVERALL JACKET: Sunlight-resistant Chlorinated Polyethylene (CPE) per UL 1277
- STANDARDS: Meets UL requirements for Type TC cables having XHHW-2 conductors, cables are listed for direct burial and meets the IEEE 1202, UL 1685 (70,000 Btu/hr), and ICEA T-29-520 (210,000 Btu/hr) vertical tray flame tests
- AMPACITY: Based on not more than three conductors in raceway, cable or earth with an ambient temperature of 30°C per 2008 NEC Table 310.16. The values have been derated where applicable
- TEMPERATURE: 90°C
- VOLTAGE: 600 V

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Diameters and weights may vary among manufacturers. Other conductor counts available upon request.

Part No.	Conductor Size AWG/kcmil	No. of Conductors	Ground Wire Size AWG	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
2XR-1412LCS-1	14	12	-----	0.030	0.060	0.760	360	12
2XR-1407LCS-1	14	7	-----	0.030	0.060	0.560	230	17
2XR-1405LCS-1	14	5	-----	0.030	0.060	0.520	168	20
2XR-1404LCS-1	14	4	-----	0.030	0.045	0.490	144	20
2XR-1403LCS-1	14	3	-----	0.030	0.045	0.450	121	25
2XR-1402LCS-1	14	2	-----	0.030	0.045	0.430	99	25
2XR-1212LCS-1	12	12	-----	0.030	0.060	0.830	476	15
2XR-1207LCS-1	12	7	-----	0.030	0.060	0.650	304	24
2XR-1205LCS-1	12	5	-----	0.030	0.060	0.570	240	24
2XR-1204LCS-1	12	4	-----	0.030	0.045	0.530	187	24
2XR-1203LCS-1	12	3	-----	0.030	0.045	0.490	154	30
2XR-1202LCS-1	12	2	-----	0.030	0.045	0.470	122	30
2XR-1012LCS-1	10	12	-----	0.030	0.080	0.980	700	20
2XR-1007LCS-1	10	7	-----	0.030	0.060	0.720	415	28
2XR-1005LCS-1	10	5	-----	0.060	0.080	0.980	320	32
2XR-1004LCS-1	10	4	-----	0.030	0.060	0.590	269	32
2XR-1003LCS-1	10	3	-----	0.030	0.060	0.550	220	40
2XR-1002LCS-1	10	1	-----	0.030	0.045	0.520	156	40
2XR-0804LCS-WG-1	8	4	1#10	0.045	0.060	0.770	430	44
2XR-0803LCS-WG-1	8	3	1#10	0.045	0.060	0.700	350	55