

Product Data Sheet

XLP/TS-CPE



Product Description

XLP insulation
TS-CPE jacket
90°C, 600 V

Applications

Designed for power and control, telemetering, relay control, traffic control, switching, lighting and signal transmission. May be used in Class I, Div. 2 and Class II Div 2 Hazardous Locations per NEC Art. 501 and 502. These cables also conform to Art. 392 "Cable Trays" and Art. 336 "Power and Control Tray Cable: Type TC."

Specifications

- CONDUCTORS: Class B stranded tinned copper per ASTM B-3, B-8 and B-33
- INSULATION: Cross-Linked Polyethylene (XLPE) per ICEA S-73-532 (NEMA WC57), meets UL 44 requirements for VW-1, Type XHHW-2 conductors
- COLOR CODE: Conductors shall be color coded per ICEA Method 1, Table E-2 (formerly K-2)
- ASSEMBLY: Conductors are cabled with fillers where necessary to make round, two conductor cables are flat
- OVERALL JACKET: Sunlight-resistant Thermoset Chlorinated Polyethylene (TS-CPE) per UL 1277
- STANDARDS: Meets per UL 1277 requirements for Type TC cables having VW-1, XHHW-2 conductors, cables are listed for direct burial and meet the IEEE 1202, IEEE 383, and UL 1685. 70,000 Btu/hr flame tests as well as the ICEA T-29-520, 210,000 Btu/hr flame tests
- AMPACITY: Based on not more than three conductors in raceway or cable or earth with an ambient temperature of 30°C and a conductor temperature of 90°C per NEC 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. Unless otherwise specifically permitted in the NEC, the overcurrent protection shall not exceed 15 A for 14 AWG, 20 A for 12 AWG and 30 A for 10 AWG. All part numbers require color code designation. See Color Code Chart in the Technical Information section. For Method 1, Table E-1 color code add -1 to Part No. (e.g. 2RH-1209-1).

| Part No. | Conductor Size AWG | No. of Conductors | Insulation Thickness (in.) | Overall Jacket Thickness (in.) | Nom. O.D. (in.) | Approx. Wt. lb./1,000 ft. | Amps per Conductor |
|----------|-----------------------|----------------------|-------------------------------|-----------------------------------|-----------------|------------------------------|-----------------------|
| 2RH-1402 | 14 | 2 | 0.030 | 0.045 | 0.260 x 0.400 | 63 | 25 |
| 2RH-1403 | 14 | 3 | 0.030 | 0.045 | 0.390 | 95 | 25 |
| 2RH-1404 | 14 | 4 | 0.030 | 0.045 | 0.425 | 118 | 20 |
| 2RH-1405 | 14 | 5 | 0.030 | 0.045 | 0.465 | 143 | 20 |
| 2RH-1407 | 14 | 7 | 0.030 | 0.045 | 0.505 | 179 | 17 |
| 2RH-1409 | 14 | 9 | 0.030 | 0.060 | 0.620 | 249 | 17 |
| 2RH-1412 | 14 | 12 | 0.030 | 0.060 | 0.700 | 317 | 12 |
| 2RH-1415 | 14 | 15 | 0.030 | 0.060 | 0.755 | 383 | 12 |
| 2RH-1419 | 14 | 19 | 0.030 | 0.060 | 0.815 | 467 | 12 |
| 2RH-1425 | 14 | 25 | 0.030 | 0.080 | 0.985 | 650 | 11 |
| 2RH-1430 | 14 | 30 | 0.030 | 0.080 | 1.050 | 750 | 11 |
| 2RH-1437 | 14 | 37 | 0.030 | 0.080 | 1.130 | 899 | 10 |
| 2RH-1202 | 12 | 2 | 0.030 | 0.045 | 0.270 x 0.430 | 87 | 30 |
| 2RH-1203 | 12 | 3 | 0.030 | 0.045 | 0.435 | 127 | 30 |
| 2RH-1204 | 12 | 4 | 0.030 | 0.045 | 0.475 | 160 | 24 |
| 2RH-1205 | 12 | 5 | 0.030 | 0.045 | 0.520 | 194 | 24 |
| 2RH-1207 | 12 | 7 | 0.030 | 0.060 | 0.595 | 264 | 24 |
| 2RH-1209 | 12 | 9 | 0.030 | 0.060 | 0.695 | 345 | 24 |
| 2RH-1212 | 12 | 12 | 0.030 | 0.060 | 0.780 | 435 | 15 |
| 2RH-1215 | 12 | 15 | 0.030 | 0.080 | 0.880 | 563 | 15 |
| 2RH-1219 | 12 | 19 | 0.030 | 0.080 | 0.955 | 690 | 15 |
| 2RH-1225 | 12 | 25 | 0.030 | 0.080 | 1.095 | 896 | 11 |
| 2RH-1230 | 12 | 30 | 0.030 | 0.080 | 1.175 | 1,040 | 11 |
| 2RH-1237 | 12 | 37 | 0.030 | 0.080 | 1.265 | 1,253 | 10 |
| 2RH-1002 | 10 | 2 | 0.030 | 0.045 | 0.290 x 0.480 | 116 | 40 |
| 2RH-1003 | 10 | 3 | 0.030 | 0.045 | 0.485 | 176 | 40 |
| 2RH-1004 | 10 | 4 | 0.030 | 0.060 | 0.560 | 240 | 32 |
| 2RH-1005 | 10 | 5 | 0.030 | 0.060 | 0.615 | 291 | 32 |
| 2RH-1007 | 10 | 7 | 0.030 | 0.060 | 0.670 | 376 | 28 |
| 2RH-1009 | 10 | 9 | 0.030 | 0.080 | 0.785 | 484 | 28 |