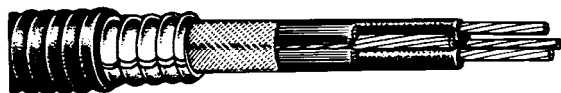


Product Data Sheet

600 V Four Conductor Power



Product Description

Aluminum armor
XLP insulation

Applications

Primary power and lighting circuits in manufacturing and processing plants, feeders in industrial and commercial distribution systems. May be directly buried or installed in cable tray or raceway. Can be used in Classes I, II and III, Division 1 and 2, hazardous locations covered under NEC Articles 501, 502 and 503.

Specifications

- CONDUCTOR: Class B stranded, bare, annealed copper per ASTM B3 and B8
- INSULATION: Cross-Linked Polyethylene (XLP) meeting the requirements of ICEA S-95-658 (NEMA WC70) and Type XHHW requirements of UL 44. Conductors are identified per ICEA S-58-679, using Method 3, Table 2 for sizes AWG 4 and larger, and using Method 1, Table 2 for sizes AWG 6 and smaller
- ASSEMBLY: The conductors and ground wires are cabled with fillers to make round
- ARMOR: An impervious, corrugated continuous seam-welded aluminum alloy sheath in accordance with UL 1569. Armor is pressure-tested and meets the grounding requirements of NEC Article 250
- OVERALL JACKET: Black, sunlight-resistant Polyvinyl Chloride (PVC)
- STANDARDS: Cables are marked "for CT use" and pass the UL 1685, IEEE 1202/CSA FT4 70,000 Btu/hr and the ICEA T-29-520 210,000 Btu/hr flame test. Individual conductors are UL Listed Type XHHW per UL 44 and completed cables are UL Listed Type MC-HL UL 2225 per UL 2225
- AMPACITY: Not more than three conductors in raceway or cable or earth based on an ambient temperature of 30°C per Article 310.16 of the 2008 NEC
- TEMPERATURE: 90 °C
- VOLTAGE: 600

Product Data Sheet

Note: Oversize groundwire availability for paralleling application. Special rules apply when paralleling these cables. Contact Anixter for application assistance. Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG	No. of Strands	Ground Wire Size AWG	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
7R-0804	8	7	3#10	0.045	0.050	0.900	465	44
7R-0604	6	7	1#8	0.045	0.050	1.010	652	60
7R-0404	4	7	1#8	0.045	0.050	1.150	889	76
7R-0204	2	19	1#6	0.055	0.060	1.320	1,290	104
7R-1014	1/0	19	1#6	0.055	0.050	1.570	1,914	136
7R-2024	2/0	19	1#6	0.055	0.060	1.710	2,391	156
7R-4044	4/0	19	1#4	0.055	0.060	1.990	3,516	208
7R-2504	250	37	1#4	0.065	0.060	2.160	4,055	232
7R-3504	350	37	1#3	0.065	0.075	2.440	5,592	280
7R-5004	500	37	1#2	0.065	0.075	2.820	7,721	344