

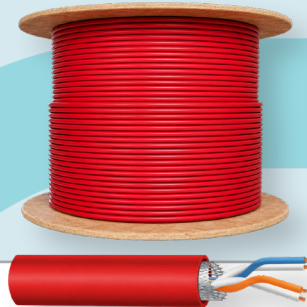
RP6600100M / RP6600300M

2 Hour Fire-Rated Cable 22-4 AWG CI



High-performance fire-rated cable for life safety systems.

- Maintains critical communication circuits during fire conditions.
- 2-hour fire-rated construction for life safety applications.
- Shielded 2-pair cable supports voice and data communication.
- High-performance design supports high-speed data transmission.
- Suitable for horizontal and vertical installations.



Specifications

	RP6600100M	RP6600300M
Length	328 ft	984 ft
Weight	19.0 lbs / 58.22 lbs per kft	57.0 lbs / 58.22 lbs per kft
Nominal Diameter	0.322"	
Temperature	During Operation: -4 - 140°F (-20 - 60°C) During Installation: 32 - 122°F (0 - 50°C)	
Bending Radius	Without Load: ≥ 32.5 mm With Load: ≥ 65.0 mm	
Conductor	Bare Copper Wire, Ø 0.65 mm (22-4 AWG) 0.332 mm ²	
Twisting	2 Cores To The Pair	
Cable Lay Up	2 Pairs To The Core	
Fire Protection Wrapping	Glass Tape	
Screen	Stranded Drain Wire + Al-PET-Foil + Copper Braid, Tinned	
Sheath	Red RAL 3000, Halogen Free, Flame Retardant Thermoplastic Sheathing Compound Acc. to EN 50290-2-27, Ø 8.2 mm	
Insulation	PE/Silicone Rubber1, Ø PE 1.0 mm And Silicone Rubber 1.7 mm	
Marking	Firetuf Data (910244) 0.65 mm x 2 pairs BS5839 + 26.2e Draka UK (then 105 spaces then) Firetuf Data (910244) 0.65 mm x 2 pairs BS5839 + 26.2e Draka UK DD/MM/YY XXXX #####m	

AVIRE

N56W24720 N Corporate Cir., Sussex, WI 53089

800-451-1460

sales.us@avire-global.com

avire-global.com/en-us

Electrical Properties at 20°C ± 5°C

	RP6600100M	RP6600300M
Loop Resistance	≤ 110 Ω/km	
Resistance Unbalance	(500 V) 1 minute : ≥ 2000 MΩ*km	
Insulation Resistance	(500 V) 1 minute : ≥ 2000 MΩ*km	
Mutual Capacitance	800 Hz Nom. nF/km	
Unbalance	(Pair/ground) ≤ 1600 pF/km	
Characteristic Impedance	(at 10) MHz (100 ± 15) Ω	
Nominal Velocity of Propagation	ca. 57 %	
Test Voltage	(DC, 1 min) core/core and core/screen 1000 V	
Transfer Impedance	at 10 MHz 5 mΩ/m	
Current Carrying Capacity Per Pair	AC 2.0 Amps DC 2.5 Amps	
Voltage Drop Single Phase /DC	115 mV/A/m	

Standards & Certifications

	RP6600100M	RP6600300M
Performance Standards	Generally to ISO/IEC 11801: 95, EN 50173:95; EN 50288-1 Generally caterogised between Cat 3 and Cat 5 see notes 1, 2, 3, 4, 5 Passes – ISO/IEC 11801 class D (95); TIA Cat 5 Ch (TSB67); ISO/IEC 11801 Class C	
Low Smoke	BSEN 50268, IEC 61034-2	
Halogen Free	IEC 60754-1&2	
Flame Retardant	IEC 60332-1, IEC 60332-3-24, BS4066 part 3, UL 1581 VW 1	
Circuit Integrity	BS5839-1 2002 (clause 26.2e); BS8434-2; BSEN 50200, IEC60331 BS5839 enhanced 3 in 1 test passed continued data operation @ 950°C > 2 hours BS6387 CWZ passed BS EN 50200 (IEC60331) >3 hours	
Certifications	Approved by LU (London Underground) – Independently Tested By BRE Global Fire Resistant BS5839-1 (Clause 26.2e); BS8434-2; BSEN 50200 Flame Retardant BS4066 Part 3; Smoke Emission BSEN 20568 LUL-Flammability, Smoke & Fume 2-01001-002 LU STANDARD e4156 Part 1 – Approval ref TLL-ENG-MATTS-0076 (6/21/2007)	