

FPLR SHIELDED FIRE ALARM CABLE E- SERIES

The UL listed FPLR shielded fire alarm E-series cable from Norden is suitable to be use in a vertical runs in signaling & fire alarm system. It works in high temperature levels. This cable is constructed with FR-PVC insulation and outer jacket with aluminum foil shielding that meets UL 1666 specifications. This cable complies with VW-1 Flame Test requirements in ANSI/UL 1581. Tested as per ANSI/UL 1666 for flame propagation height of electrical and optical -Fibre Cables Installed Vertically in Shafts.



UL File No: E465991

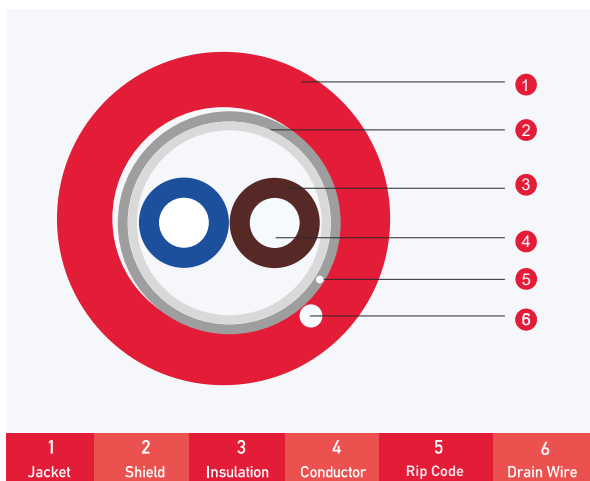
Standard

ANSI / UL 1424, Cables for Power - Limited Fire - Alarm Circuits

CABLE CONSTRUCTION

Conductor Solid Bare Copper	Shielding Al-Foil	Rip Code Yes	Insulation Colour 2 core-Blue&Brown 3 core -Blue,Brown&Black 4 core- Blue,Brown,Black&Grey
Insulation FR - PVC	Drain Wire 1/0.8 AL	Outer Jacket FR - PVC	Jacket Colour Red

SECTION VIEW



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ELECTRICAL & ENVIRONMENTAL CHARACTERISTICS

Properties	Value		
	13AWG	14AWG	16AWG
Max. Conductor Resistant @ 20°C	6.8 Ω/km	8.45 Ω/km	13.5 Ω/km
Min. Insulation Resistance @15.6°C	100Ω/kft		
Operating Voltage	300/500 V		
Breakdown Test	2500V		
Temperature Range	-35°C to +105°C		

PHYSICAL CHARACTERISTICS

No. of Cores x Conductor Size	Conductor diameter mm (±0.005)	Insulation diameter mm (±0.1)	Jacket Thickness mm (±0.01)	Jacket diameter, mm (±0.3)
2C x 14 AWG	1.63	2.7	0.58	6.8
2C x 16 AWG	1.29	2.2	0.58	5.8
3C x 14 AWG	1.63	2.7	0.60	7.1
4C x 13 AWG	1.83	2.9	0.60	7.0

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
5E-1502XY	2Core x 16 AWG FPLR Shielded Fire Alarm Cable E-Series
5E-2502XY	2Core x 14 AWG FPLR Shielded Fire Alarm Cable E-Series
5E-2503XY	3Core x 14 AWG FPLR Shielded Fire Alarm Cable E-Series
5E-3504XY	4Core x 13 AWG FPLR Shielded Fire Alarm Cable E-Series

X (Colour code) > RD: Red
Y (Packing length) > 1:100mtr, 2: 500mtr