

FPLR Fire Alarm Cable

CPR CE UL TÜV  RoHS REACH 

Category:: UL Fire Alarm Cable

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Detailed Introduction

The UL listed FPLR type shielded power limited fire alarm riser cable is suitable to be used in vertical runs in signaling & fire alarm systems. It works in high temperature levels. This cable is constructed with FR-PVC insulation and outer jacket with aluminum and PE tape 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.

Main parts and material

Conductor	Multiconductor, solid or stranded bare copper	Insulation (Dielectric)	Flame retardant PVC, color red & black (2C)
Shield	Aluminum mylar tape	Drain wire (Earth wire)	Tinned copper, 7 x stranded 0.2mm dia.
Rip cord	150D Nylon, white	Jacket	Flame retardant PVC, color red

Available size (Solid conductor)

Size	Conductor			Max DCR 20°C, Ω/km	Insulation THK mm	Jacket THK mm	Nom. Cable OD mm	Ref. No.
	Type	Nominal dia (mm)	Section (mm ²)					
22 AWG x 4C	Solid	0.64 x 4C	0.32	59.1	0.26	0.6	3.8	C0301
18 AWG x 2C	Solid	1.02 x 2C	0.82	21.4	0.26	0.6	5.2	C0302
18 AWG x 4C	Solid	1.02 x 4C	0.82	21.4	0.26	0.7	6.2	C0303
16 AWG x 2C	Solid	1.29 x 2C	1.31	13.5	0.26	0.7	5.8	C0304
16 AWG x 4C	Solid	1.29 x 4C	1.31	13.5	0.26	0.7	6.8	C0305

14 AWG x 2C	Solid	1.63 x 2C	2.08	8.45	0.26	0.7	6.9	C0306
12 AWG x 2C	Solid	2.05 x 2C	3.31	5.31	0.26	0.7	8	C0307

Available size (Stranded conductor)

Size	Conductor			Max DCR 20°C, Ω/km	Insulation	Jacket	Nom.	Ref. No
	Type	Nominal dia (mm)	Section (mm ²)		THK mm	THK mm	Cable OD mm	
22 AWG x 4C	7 stranded	0.73 x 4C	0.32, min	55.4	0.26	0.6	4.6	C0311
18 AWG x 2C	7 stranded	1.16 x 2C	0.81, min	21.9	0.26	0.6	5.4	C0312
18 AWG x 4C	7 stranded	1.16 x 4C	0.81, min	21.9	0.26	0.7	6.5	C0313
16 AWG x 2C	7 stranded	1.46 x 2C	1.28, min	13.7	0.26	0.7	6.7	C0314