



FPLR - Fire Alarm Stranded Shielded Riser Rated LS-PVC

300V, 75°C, Multi-Conductor, Shielded, Stranded Copper as FPLR. Rated CMR/CL3R/FPLR CMG SUN RES FT4. Minimum Temperature -10°C , Maximum Temperature 75°C



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Solid bare copper per ASTM B3
2. **Insulation:** Low Smoke Polyvinyl Chloride LS-PVC
3. **Shield:** Aluminum foil shielded with 24 AWG drain wire
4. **Rip Cord:** Rip cord for ease of jacket removal
5. **Jacket:** Low Smoke Polyvinyl Chloride LS-PVC, Color: RED

APPLICATIONS AND FEATURES:

Fire protective signaling circuits. Also for smoke detectors, voice communications, audio control and initiating circuits. Article 760 of the NEC. Minimum Temperature -10°C , Maximum Temperature 75°C

SPECIFICATIONS:

- UL 1424 Cables for Power-Limited Fire-Alarm Circuits
- UL 1424 Listed FPLR
- NFPA 70 NFPA 101, NFPA 130, and NFPA 502
- UL 13 Power-Limited Circuit Cables
- UL 444 Communications Cables (90°C, 300V)
- RoHS-2 (European Directive 2011/65/EU)

SAMPLE PRINT LEGEND:

XX AWG X/C E75610 c{UL}US CMR/CL3R/FPLR SUN RES -- CMG FT4 MADE IN USA ROHS-2 COMPLIANT -- {MM/DD/YY}
{HH:MM}





Table 1 – Physical and Electrical Data

Stock Number	Cond. Size	Cond. Number	Cond. Strands	Diameter Over Cond.	Insul. Thickness	Jacket Thickness	Approx. OD	Copper Weight	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance	Min Bending Radius	Allowable Ampacity 75°C	Allowable Ampacity 90°C
	AWG	No.	strands	inch	mil	mil	inch	lb / 1000ft	lb / 1000ft	Ω /1000ft	Ω /1000ft	Ω/1000ft	inch	Amp	Amp
18 AWG															
F40370-1	18	2	7	0.045	10	15	0.149	11	17	6.669	8.035	0.036	0.9	-	14
16 AWG															
F50375-1	16	2	7	0.056	10	15	0.190	17	25	4.181	5.037	0.033	1.1	-	18
14 AWG															
F60341-1	14	2	7	0.070	10	15	0.222	26	37	2.631	3.170	0.058	1.3	20	25

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

Stock Number	Size AWG	Conductor Number	Black	Red
F40370-1	18	2	X	X
F50375-1	16	2	X	X
F60341-1	14	2	X	X

