



## FPLR - Fire Alarm Solid Non-Shielded Riser Rated LS-PVC

300V, 75°C, Multi-Conductor, Unshielded, Solid 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. **Rip Cord:** Rip cord for ease of jacket removal
4. **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
- UL1424 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} {SEQUENTIAL FOOTAGE MARKS} SEQ FEET





**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
<b>18 AWG</b>															
F40021-1	18	2	Solid	0.040	10	15	0.200	10	18	6.669	8.030	0.036	0.8	-	14
F40568-1	18	4	Solid	0.040	10	15	0.242	20	33	6.669	8.030	0.036	0.9	-	11
<b>16 AWG</b>															
F50004-1	16	2	Solid	0.050	10	15	0.220	16	26	4.181	5.030	0.033	0.8	-	18
F50383-1	16	4	Solid	0.050	10	15	0.266	32	47	4.181	5.030	0.033	1.0	-	14
<b>14 AWG</b>															
F60001-1	14	2	Solid	0.064	10	15	0.248	25	38	2.631	3.170	0.058	0.9	20	25
F60355-1	14	4	Solid	0.064	10	15	0.300	51	69	2.631	3.170	0.058	1.2	16	20
<b>12 AWG</b>															
F70004-1	12	2	Solid	0.080	10	15	0.280	40	55	1.662	2.000	0.054	1.1	25	30

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	Yellow	Green
F40021-1	18	2	X	X		
F40568-1	18	4	X	X	X	X
F50004-1	16	2	X	X		
F50383-1	16	4	X	X	X	X
F60001-1	14	2	X	X		
F60355-1	14	4	X	X	X	X
F70004-1	12	2	X	X		

