



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 |

