



FPLP - Fire Alarm Solid Shielded Plenum Rated LS-PVC

300V, 75°C, Multi-Conductor, Shielded, Solid Copper as FPLP. Minimum Temperature 0°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. For use in plenum spaces. Minimum Temperature 0°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 CMP/CL3P/FPLP 75°C -- CMP FT6 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 |
| 18 AWG | | | | | | | | | | | | | | | |
| G40504-1 | 18 | 4 | Solid | 0.040 | 10 | 15 | 0.183 | 21 | 30 | 6.669 | 8.035 | 0.036 | 1.1 | - | 11 |

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 |
|--------------|----------|------------------|-------|-----|--------|-------|
| | | | | | | |
| G40006-1 | 18 | 2 | X | X | | |
| G40504-1 | 18 | 4 | X | X | X | X |
| G50013-1 | 16 | 2 | X | X | | |
| G50369-1 | 16 | 4 | X | X | X | X |
| G60025-1 | 14 | 2 | X | X | | |
| G60346-1 | 14 | 4 | X | X | X | X |
| G70019-1 | 12 | 2 | X | X | | |

