



## FPLP - Fire Alarm Stranded Shielded Plenum Rated LS-PVC

300V, 75°C, Multi-Conductor, Shielded, Stranded 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
- UL 1424 Listed FPLP
- 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 2/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                     |
| 14 AWG       |            |              |               |                     |                  |                  |            |               |                |                      |                      |                     |                    |                         |                         |
| G60121-1     | 14         | 2            | 7             | 0.070               | 10               | 15               | 0.206      | 25            | 25             | 2.631                | 3.170                | 0.058               | 1.2                | 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 |
|--------------|----------|------------------|-------|-----|
|              |          |                  |       |     |
| G40006-1     | 18       | 2                | X     | X   |
| G50013-1     | 16       | 2                | X     | X   |
| G60121-1     | 14       | 2                | X     | X   |

