



FPLP - Fire Alarm Solid Non-Shielded Plenum Rated LS-PVC

300V, 75°C, Multi-Conductor, Unshielded, 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. **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. 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 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 | | | | | | | | | | | | | | | |
| G40005-1 | 18 | 2 | Solid | 0.040 | 10 | 15 | 0.144 | 9 | 15 | 6.669 | 8.035 | 0.036 | 0.5 | - | 14 |
| G40505-1 | 18 | 4 | Solid | 0.040 | 10 | 15 | 0.168 | 19 | 28 | 6.669 | 8.035 | 0.036 | 0.6 | - | 11 |
| G40503-1 | 18 | 6 | Solid | 0.040 | 10 | 15 | 0.184 | 30 | 41 | 6.669 | 8.035 | 0.036 | 1.1 | - | 11 |
| 16 AWG | | | | | | | | | | | | | | | |
| G50032-1 | 16 | 2 | Solid | 0.050 | 10 | 15 | 0.164 | 15 | 22 | 4.181 | 5.037 | 0.033 | 0.6 | - | 18 |
| G50370-1 | 16 | 4 | Solid | 0.050 | 10 | 15 | 0.196 | 31 | 41 | 4.181 | 5.037 | 0.033 | 0.7 | - | 14 |
| 14 AWG | | | | | | | | | | | | | | | |
| G60004-1 | 14 | 2 | Solid | 0.064 | 10 | 15 | 0.196 | 25 | 33 | 2.631 | 3.170 | 0.058 | 0.7 | 20 | 25 |
| G60347-1 | 14 | 4 | Solid | 0.064 | 10 | 15 | 0.226 | 50 | 61 | 2.631 | 3.170 | 0.058 | 0.9 | 16 | 20 |
| 12 AWG | | | | | | | | | | | | | | | |
| G70009-1 | 12 | 2 | Solid | 0.080 | 10 | 15 | 0.226 | 39 | 49 | 1.662 | 2.002 | 0.054 | 0.9 | 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 | Brown | Blue |
|--------------|----------|------------------|-------|-----|--------|-------|-------|------|
| | | | | | | | | |
| G40005-1 | 18 | 2 | X | X | | | | |
| G40505-1 | 18 | 4 | X | X | X | X | | |
| G40503-1 | 18 | 6 | X | X | X | X | X | X |
| G50032-1 | 16 | 2 | X | X | | | | |
| G50370-1 | 16 | 4 | X | X | X | X | | |
| G60004-1 | 14 | 2 | X | X | | | | |
| G60347-1 | 14 | 4 | X | X | X | X | | |
| G70009-1 | 12 | 2 | X | X | | | | |

