Fire Alarm FPLP Solid Shielded

300V, 75°C, Multi-Conductor, Shielded, Solid Copper as FPLP. Minimum Operating Temperature 0°C, Maximum Operating Temperature 75°C

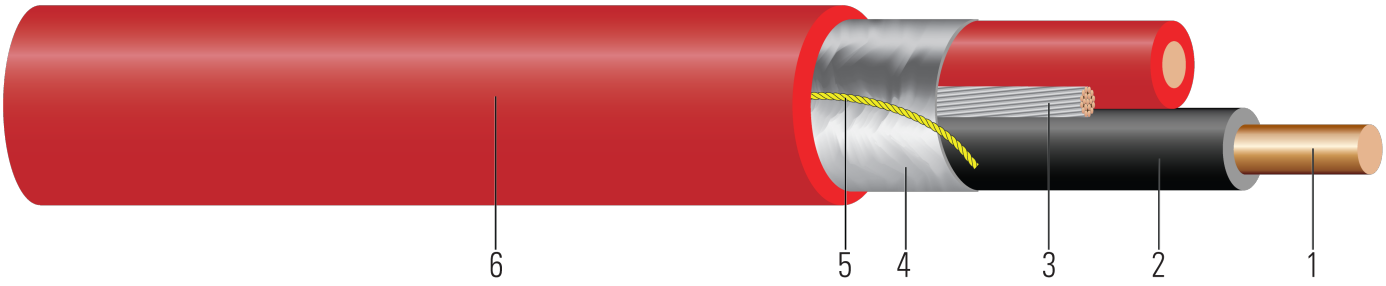


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Solid bare copper per ASTM B3
2. **Insulation:** Low Smoke Polyvinyl Chloride (LS-PVC)
3. **Drain Wire:** 24 AWG tinned copper drain wire per ASTM B33
4. **Shield:** Aluminum foil shield
5. **Rip Cord:** Rip cord for ease of jacket removal
6. **Jacket:** Red Low Smoke Polyvinyl Chloride (LS-PVC)

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 Operating Temperature 0°C, Maximum Operating Temperature 75°C

SPECIFICATIONS:

- UL 1424 Cables for Power-Limited Fire-Alarm Circuits
- UL 1424 Listed FPLP
- ASTM B3 Soft or Annealed Copper Wire
- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- NFPA 70, NFPA 101, and NFPA 502
- UL 13 Power-Limited Circuit Cables
- UL 444 Communications Cables (22 AWG - 16 AWG)
- 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

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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	Min Bending Radius
	AWG	No.	strands	inch	mil	mil	inch	lb /1000ft	lb /1000ft	Ω /1000ft	inch
18 AWG											
G40006-1	18	2	SOLID	0.04	10	15	0.152	11	18	6.669	1.1
G40504-1	18	4	SOLID	0.04	10	15	0.176	21	31	6.669	1.2
16 AWG											
G50013-1	16	2	SOLID	0.05	10	15	0.17	17	25	4.181	1.2
G50369-1	16	4	SOLID	0.05	10	15	0.198	33	44	4.181	1.4
14 AWG											
G60025-1	14	2	SOLID	0.064	10	15	0.198	26	36	2.631	1.4
G60346-1	14	4	SOLID	0.064	10	15	0.229	52	65	2.631	1.6
12 AWG											
G70019-1	12	2	SOLID	0.08	10	15	0.23	41	53	1.662	1.6

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item

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