

FPLP - Fire Alarm Solid Shielded Plenum Rated LS-PVC

300V, 75°C, Multi-Conductor, Shielded, Solid Copper as FPLP.



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.

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	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 At 60°C	Allowable Ampacity 75°C	Allowable Ampacity 90°C
	AWG	No.	strands	mil	mil	inch	lb / 1000ft	lb / 1000ft	Ω /1000ft	Ω /1000ft	Ω/1000ft	inch	Amp	Amp	Amp
18 AWG															
G40006-1	18	2	Solid	10	15	0.152	11	18	6.669	8.035	0.036	0.91	-	-	14
G40504-1	18	4	Solid	10	15	0.183	21	30	6.669	8.035	0.036	1.1	-	-	11
16 AWG															
G50013-1	16	2	Solid	10	15	0.176	17	24	4.181	5.037	0.033	1.1	-	-	18
G50369-1	16	4	Solid	10	15	0.206	32	43	4.181	5.037	0.033	1.2	-	-	14
14 AWG															
G60025-1	14	2	Solid	10	15	0.196	26	36	2.631	3.170	0.058	1.2	15	20	25
G60346-1	14	4	Solid	10	15	0.234	51	64	2.631	3.170	0.058	1.4	12	16	20
12 AWG															
G70019-1	12	2	Solid	10	15	0.231	41	52	1.662	2.002	0.054	1.4	20	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
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		

