



Fire Alarm FPLR Solid Non-Shielded

300V, 60°C, Multi-Conductor, Unshielded, Solid Copper as FPLR. Rated CMR/CL3R/FPLR CMG SUN RES FT4. Minimum Operating Temperature -10°C, Maximum Operating Temperature 60°C

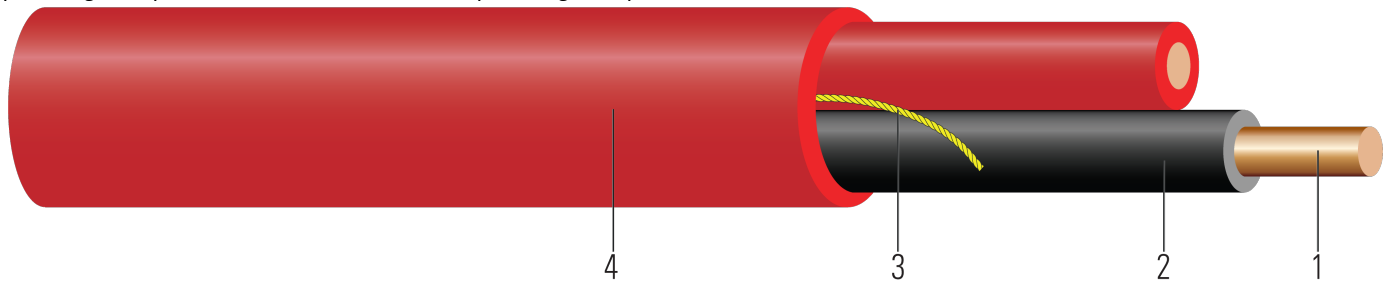


Image not to scale. See Table 1 for dimensions.

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:** 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. Minimum Operating Temperature -10°C, Maximum Operating Temperature 60°C

SPECIFICATIONS:

- UL 1424 Cables for Power-Limited Fire-Alarm Circuits
- ASTM B3 Soft or Annealed Copper Wire
- UL1424 Listed FPLR
- 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 C{UL}US CMR/CL3R/FPLR SUN RES -- CMG FT4 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	Min Bending Radius
	AWG	No.	strands	inch	mil	mil	inch	lb / 1000ft	lb / 1000ft	Ω /1000ft	Ω /1000ft	inch
18 AWG												
20FAR-1802	18	2	Solid	0.040	10	15	0.200	10	18	6.669	8.030	0.8
20FAR-1804	18	4	Solid	0.040	10	15	0.242	20	33	6.669	8.030	0.9
16 AWG												
20FAR-1602	16	2	Solid	0.050	10	15	0.220	16	26	4.181	5.030	0.8
20FAR-1604	16	4	Solid	0.050	10	15	0.266	32	47	4.181	5.030	1.0
14 AWG												
20FAR-1402	14	2	Solid	0.064	10	15	0.248	25	38	2.631	3.170	0.9
20FAR-1404	14	4	Solid	0.064	10	15	0.300	51	69	2.631	3.170	1.2
12 AWG												
20FAR-1202	12	2	Solid	0.080	10	15	0.280	40	55	1.662	2.000	1.1

All dimensions are nominal and subject to normal manufacturing tolerances

