Multi Conductor CL3P/FPLP/CMP Shielded

300V, 75°C, Multi-Conductor, Shielded, Stranded Copper, CL3P/FPLP/CMP. Minimum Operating Temperature -10°C, Maximum Operating Temperature 75°C



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Stranded bare copper per ASTM B3 and B8
2. **Insulation:** Low Smoke Polyvinyl Chloride (LS-PVC)
3. **Shield:** Aluminum foil shield with 24 AWG tinned drain wire
4. **Rip Cord:** Rip cord for ease of jacket removal
5. **Jacket:** White Low Smoke Polyvinyl Chloride (LS-PVC)

APPLICATIONS AND FEATURES:

For use in Remote Control, Signaling, and Power-Limited circuits per NEC Article 725. Sizes 22 AWG - 16 AWG can also be used as communication circuits per NEC Article 800. Can be used in security, sound and audio, speaker cable, public address, intercom, sound reinforcement, alarm and access control circuits and power-limited controls. The conductors are cabled together; lay length varies depending on conductor count and gauge size.

SPECIFICATIONS:

- UL 1424 Cables for Power-Limited Fire-Alarm Circuits
- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 13 Power-Limited Circuit Cables
- UL 444 Communications Cables (22 AWG - 16 AWG)
- NFPA 262

SAMPLE PRINT LEGEND:

XXAWG XX/C E57497 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
22 AWG											
P20032-1	22	2	7	0.022	5	15	0.126	6	11	16.723	0.9
P20043-1	22	3	7	0.022	5	15	0.133	8	15	16.723	0.9
P20270-1	22	4	7	0.022	5	15	0.145	10	18	16.723	1
P20019-1	22	6	7	0.022	5	15	0.173	14	25	16.723	1.2
P20037-1	22	8	7	0.022	5	15	0.185	19	31	16.723	1.3
P20023-1	22	12	7	0.022	5	15	0.225	27	44	16.723	1.6
20 AWG											
P30006-1	20	2	7	0.036	5	15	0.142	8	15	10.503	1
P30003-1	20	4	7	0.036	5	15	0.164	15	24	10.503	1.1
18 AWG											
P40133-1◊	18	2	7	0.045	5	15	0.164	11	20	6.669	1.1
P40032-1◊	18	3	7	0.045	5	15	0.172	16	26	6.669	1.2
P40073-1◊	18	4	7	0.045	5	15	0.188	21	33	6.669	1.3
P40040-1◊	18	6	7	0.045	5	15	0.227	32	47	6.669	1.6
P40070-1◊	18	8	7	0.045	5	15	0.247	42	60	6.669	1.7
P40041-1	18	10	7	0.045	5	15	0.289	52	74	6.669	2
16 AWG											
P50002-1◊	16	2	19	0.056	5	15	0.184	17	26	4.181	1.3
P50023-1	16	4	19	0.056	5	15	0.215	33	46	4.181	1.5
14 AWG											
P60022-1	14	2	19	0.07	5	15	0.214	27	38	2.631	1.5
12 AWG											
P70006-1	12	2	19	0.088	5	15	0.256	41	55	1.662	1.8

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

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