Multi Conductor CL3P/FPLP/CMP Non-Shielded

300V, 75°C, Multi-Conductor, Non-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. **Rip Cord:** Rip cord for ease of jacket removal
4. **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:

XX AWG 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											
P20031-1	22	2	7	0.022	5	15	0.12	4	9	16.723	0.5
P20035-1	22	4	7	0.022	5	15	0.139	9	16	16.723	0.6
P20008-1	22	6	7	0.022	5	15	0.165	13	22	16.723	0.7
P20044-1	22	12	7	0.022	5	15	0.217	26	41	16.723	0.9
20 AWG											
P30016-1	20	2	7	0.036	5	15	0.136	7	13	10.503	0.5
18 AWG											
P40020-1	18	2	7	0.045	5	15	0.156	10	17	6.669	0.6
P40024-1	18	3	7	0.045	5	15	0.166	15	24	6.669	0.7
P40031-1	18	4	7	0.045	5	15	0.182	20	30	6.669	0.7
P40065-1	18	6	7	0.045	5	15	0.219	30	44	6.669	0.9
P40030-1	18	8	7	0.045	5	15	0.237	40	57	6.669	0.9
P40166-1	18	10	7	0.045	5	15	0.28	50	71	6.669	1.1
16 AWG											
P50032-1	16	2	19	0.056	5	15	0.178	16	24	4.181	0.7
P50059-1	16	4	19	0.056	5	15	0.209	32	44	4.181	0.8
14 AWG											
P60040-1	14	2	19	0.07	5	15	0.208	26	35	2.631	0.8
12 AWG											
P70031-1	12	2	19	0.088	5	15	0.25	40	52	1.662	1

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

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