

Multi Conductor CL3P/FPLP/CMP Non-Shielded

300V, 75°C, Multi-Conductor, Non-Shielded, Stranded Copper, CL3P/FPLP/CMP



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Stranded bare copper per ASTM 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 B8 Concentric-Lay-Stranded Copper Conductors
- UL 444 Listed CMP
- UL 13 Power-Limited Circuit Cables
- 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





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	Inductive Reactance
	AWG	No.	strands	inch	mil	mil	inch	lb / 1000ft	lb / 1000ft	Ω /1000ft	Ω /1000ft	Ω/1000ft
22 AWG												
P20031-1	22	2	7	0.022	5	15	0.118	4	8	16.72	20.15	0.030
P20035-1	22	4	7	0.022	5	15	0.136	8	15	16.72	20.15	0.030
P20008-1	22	6	7	0.022	5	15	0.163	13	21	16.72	20.15	0.030
P20044-1	22	12	7	0.022	5	15	0.216	26	40	16.72	20.15	0.030
20 AWG												
P30016-1	20	2	7	0.036	5	15	0.132	6	12	10.50	12.65	0.027
18 AWG												
P40020-1	18	2	7	0.045	5	15	0.152	10	16	6.669	8.035	0.036
P40024-1	18	3	7	0.045	5	15	0.160	15	23	6.669	8.035	0.036
P40031-1	18	4	7	0.045	5	15	0.181	20	30	6.669	8.035	0.036
P40065-1	18	6	7	0.045	5	15	0.217	30	43	6.669	8.035	0.036
P40030-1	18	8	7	0.045	5	15	0.237	40	56	6.669	8.035	0.036
P40166-1	18	10	7	0.045	5	15	0.280	50	70	6.669	8.035	0.036
16 AWG												
P50032-1	16	2	19	0.056	5	15	0.174	16	23	4.181	5.037	0.033
P50059-1	16	4	19	0.056	5	15	0.201	32	42	4.181	5.037	0.033
14 AWG												
P60040-1	14	2	19	0.07	5	15	0.200	25	33	2.631	3.170	0.058
12 AWG												
P70031-1	12	2	19	0.088	5	15	0.251	40	52	1.662	2.002	0.054

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

