# 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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