# Low Voltage Dimming or Luminaire Cable

300V, 75C, Plenum Rated, Low Voltage Power Limited Dimming 2/C Stranded Unshielded CL3P/FPLP/CMP Cable.

Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Conductor:** 18 or 16 AWG solid or stranded
2. **Insulation:** Two conductors twisted Low smoke polyvinyl chloride LS-PVC. Color: Purple, Pink
3. **Rip Cord:** Rip cord for ease of jacket removal.
4. **Overall Jacket:** Polyvinyl Chloride (PVC). Color: White

## APPLICATIONS AND FEATURES:

Commercial audio, lumiaire, dimming, security and general purpose power limited circuit cable for low voltage cable applications.

## SPECIFICATIONS:

- UL 1424 Cables for Power-Limited Fire-Alarm Circuits
- UL 13 Power-Limited Circuit Cables
- UL 444 CM/CL2
- RoHS-2 (European Directive 2011/65/EU)

## SAMPLE PRINT LEGEND:

XX AWG X/C E57497 c{UL}US CMP/CL3P/FPLP 75{D}C -- CMP FT6 MADE IN USA ROHS-3 COMPLIANT


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## Table 1 – Physical and Electrical Data

| Stock Number | Cond. Size | Cond. Number | Cond. Strands | Diameter Over Cond. | Insulation Color | 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 |
| 16 AWG | | | | | | | | | | | | |
| P51641 | 16 | 2 | 7 | 0.056 | PE,PK | 5 | 15 | 0.18 | 16 | 24 | 4.181 | 0.7 |

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

## Table 2 Electrical

| Stock Code | Conductor Size | Capacitance pF/ft Nom | DC Resistance per Conductor @ 68°F Ohms/ 1000ft | Impedance Ohms | Velocity of Propagation |
|---|---|---|---|---|---|
| P41614 | 18 | 39.4 | 6.92 | 54 | 47.5% |
| P51641 | 16 | 43.1 | 4.35 | 50 | 47.5% |


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