



## 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, luminaire, 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





**Table 1 – Physical and Electrical Data**

Stock Number	Cond. Size	Cond. Number	Diameter Over Cond.	Insulation Color	Insul. Thickness	Diameter Over Insulation	Jacket Thickness	Approx. OD	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C	Allowable Ampacity 90°C
	AWG	No.	inch		mil	inch	mil	inch	lb / 1000ft	Ω /1000ft	Ω /1000ft	Amp
18 AWG												
P41614	18	2	0.045	PE, PK	9	0.063	15	0.152	17	6.669	8.035	18
16 AWG												
P51641	16	2	0.056	PE, PK	9	0.075	15	0.178	24	4.181	5.037	18

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%

