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

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

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%

Copyright © 2026 Southwire Company, LLC. All Rights Reserved