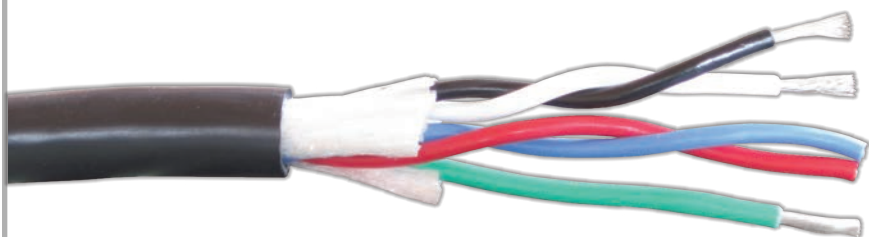


ProPlex[®]

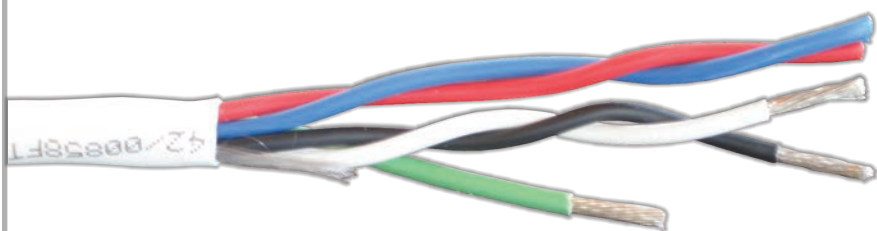
Architectural Node LV Cables

Cables specially designed for the distribution of low voltage architectural lighting control nodes. Also available with auxiliary power conductors for devices such as interfaces and LCD displays. The integral drain wire is especially useful in installations with non-metallic conduit.



PCLP2PT - ProPlex Architectural Node LV Cable 2-pair.

2-16 AWG (1.5mm²) pairs and 1-14 AWG (2.5mm²) ground conductor in a durable PVC jacket.



PCLP2PTP - As above but meets UL Standard 13, NEC Article 725 for Plenum Applications.



PCLP1PT - ProPlex Architectural Node LV Cable 1-pair.

1-16 AWG (1.5mm²) pair and 1-22 AWG (0.34mm²) ground conductor in a durable PVC jacket.



PCLP1PTP - As above but meets UL Standard 13, NEC Article 725 for Plenum Applications.

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SPECIFICATIONS

	Standard Cables			
	PCLP2PT		PCLP1PT	
Conductors	16 AWG (1.5 mm ²) Conductors: Tinned, annealed copper, stranded [26/30]	14 AWG (2.5 mm ²) Conductor: Tinned, annealed copper, stranded [41/30]	16 AWG (1.5 mm ²) Conductors: Tinned, annealed copper, stranded [26/30]	22 AWG (0.34 mm ²) Conductor: Tinned, annealed copper stranded [7/30]
Insulation	16 AWG Conductors: 300 volt PVC Black/White, Red/Blue Nom. Wall: 0.010" (0.25 mm) Nom. Dia.: 0.079" (2 mm)	14 AWG Conductor: 300 volt PVC Green Nom. Wall: 0.012" (0.30 mm) Nom. Dia.: 0.098" (2.49 mm)	16 AWG Conductors: 300 volt PVC Black/White Nom. Wall: 0.010" (0.25 mm) Nom. Dia.: 0.079" (2 mm)	22 AWG Conductor: 300 volt PVC Green Nom. Wall: 0.010" (0.25 mm) Nom. Dia.: 0.050" (1.27 mm)
Assembly	2 pairs - 16 AWG conductors and 1 - 14 AWG conductor cabled with fillers.		1 pair - 16 AWG conductors and 1 - 22 AWG conductor cabled with fillers	
Jacket	Black PVC, UV and fungus resistant, Flame retardant Nom. wall: 0.020" (0.51 mm) Outside Diameter: 0.315" (8 mm) Nom.		Black PVC, UV and fungus resistant, Flame retardant Nom. wall: 0.020" (0.51 mm) Outside Diameter: 0.20" (5.08 mm) Nom.	
Weight	130 lbs. per 1,000 ft. (194Kg per 1,000 m)		55 lbs. per 1,000 ft. (82Kg per 1,000 m)	
Markings	Surface print: *PROPLEX PCLP2PT* ARCHITECTURAL NODE CABLE CL3 (UL) E177741 FT1		Surface print: *PROPLEX PCLP1PT* ARCHITECTURAL NODE CABLE CL3 (UL) E177741 FT1	
Temperature	60° C (-20° C)		60° C (-20° C)	
Operating Voltage	300 V RMS Max. per NEC Article 725		300 V RMS Max. per NEC Article 725	
Capacitance	32 pF/ft. Nom. Between Conductors @ 1 KHz		32 pF/ft. Nom. Between Conductors @ 1 KHz	
Impedance	80 Ohms		100 Ohms	
Inductance	0.144 uH/ft. Nom.		0.216 uH/ft. Nom.	
DC Resistance	4.15 Ohms/1Mft Max. per 16ga Conductor @ 20° C		4.15 Ohms/1Mft Max. per 16ga Conductor @ 20° C	
Velocity of Propagation	53%		53%	
Bend Radius	2.5" (65 mm) Minimum		1.5" (38 mm) Minimum	
Pull Tension	115 lbs. (52 Kg) Maximum		45 lbs. (20 Kg) Maximum	
Testing	UL Type CL3 in accordance with NEC article 725 for class 3 power limited circuits.			

	Plenum Cables			
	PCLP2PTP		PCLP1PTP	
Conductors	16 AWG (1.5 mm ²) Conductors: Tinned, annealed copper, stranded [26/30]	14 AWG (2.5 mm ²) Conductor: Tinned, annealed copper, stranded [19/0.0147]	16 AWG (1.5 mm ²) Conductors: Tinned, annealed copper, stranded [26/30]	22 AWG (0.34 mm ²) Conductor: Tinned, annealed copper stranded [7/30]
Insulation	16 AWG Conductors: 300 volt LS Plenum PVC Black/White, Red/Blue Nom. Wall: 0.010" (0.25 mm) Nom. Dia.: 0.079" (2 mm)	14 AWG Conductor: 300 volt LS Plenum PVC Green Nom. Wall: 0.012" (0.30 mm) Nom. Dia.: 0.095" (2.41 mm)	16 AWG Conductors: 300 volt LS Plenum PVC Black/White Nom. Wall: 0.010" (0.25 mm) Nom. Dia.: 0.079" (2 mm)	22 AWG Conductor: 300 volt LS Plenum PVC Green Nom. Wall: 0.008" (0.20 mm) Nom. Dia.: 0.046" (1.17 mm)
Assembly	2 pairs - 16 AWG conductors and 1 - 14 AWG conductor cabled with no fillers. 6 twists per foot (min.) 2" lay (max.)		1 pair - 16 AWG conductors and 1 - 22 AWG conductor cabled with no fillers. 6 twists per foot (min.) 2" lay (max.)	
Jacket	White LS Plenum PVC Nom. wall: 0.021" (0.53 mm) Outside Diameter: 0.315" (8 mm) Nom.		White LS Plenum PVC Nom. wall: 0.021" (0.53 mm) Outside Diameter: 0.198" (5 mm) Nom.	
Weight	66 lbs. per 1,000 ft. (98Kg per 1,000 m) approx.		30 lbs. per 1,000 ft. (45Kg per 1,000 m) approx.	
Markings	Surface Print: PROPLEX PCLP2PTP ARCHITECTURAL NODE CABLE 16/2PR + 14/1 E57497 CL3P 14 AWG (UL) MADE IN USA RoHS COMPLIANT		Surface Print: PROPLEX PCLP1PTP ARCHITECTURAL NODE CABLE 16/2 + 22/1 E118871 CMP/CL3P 16 AWG (UL) c(UL) MADE IN USA RoHS COMPLIANT	
Temperature	60° C (-20° C)		60° C (-20° C)	
Operating Voltage	300 V RMS Max. per NEC Article 725		300 V RMS Max. per NEC Article 725	
Capacitance	28.1 pF/ft Nom. Between Conductors @ 1 KHz		32.4 pF/ft Nom. Between Conductors @ 1 KHz	
Impedance	66 Ohms		57 Ohms	
Inductance	0.19 uH/ft. Nom.		0.19 uH/ft. Nom.	
DC Resistance	4.35 Ohms/1Mft Max. per 16ga Conductor @ 20° C		4.35 Ohms/1Mft Max. per 16ga Conductor @ 20° C	
Velocity of Propagation	55%		55%	
Bend Radius	3.25" (83 mm) Minimum		2.0" (50.8 mm) Minimum	
Pull Tension	123 lbs. (55.8 Kg) Maximum		66 lbs. (29.9 Kg) Maximum	
Testing	UL Type CL3 in accordance with NEC article 725 for class 3 power limited circuits. NFPA 262 Smoke and Flame Test.			