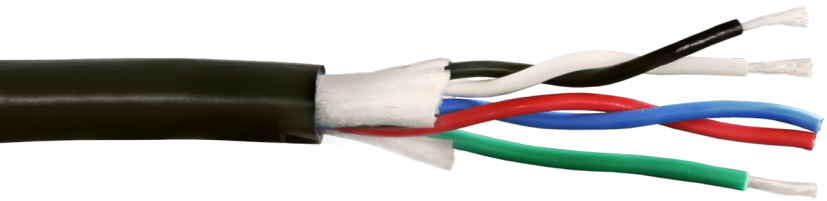
ProPlex®

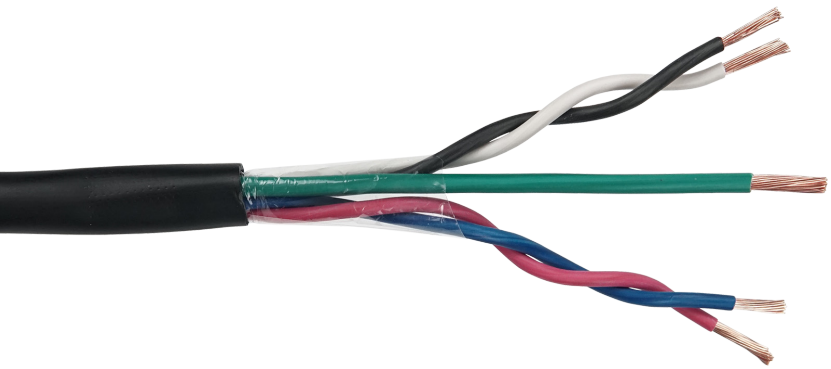
ARCHITECTURAL NODE LV CABLES

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.

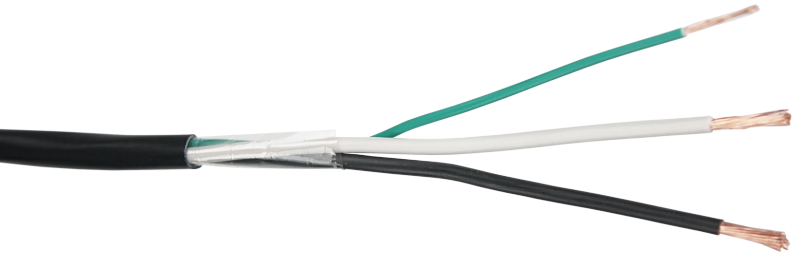
2-16 AWG [1.5mm^2] pairs and 1-14 AWG [2.5mm^2] ground conductor in a durable PVC jacket.



PCLP2PTPB - As above but meets UL Standard 13, NEC Article *725* for Plenum Applications.

PCLP1PT - ProPlex Architectural Node LV Cable 1-pair.

1-16 AWG [1.5mm^2] pair and 1-22 AWG [0.34mm^2] ground conductor in a durable PVC jacket.



PCLP1PTPB - As above but meets UL Standard 13, NEC Article *725* for Plenum Applications.

RoHS Compliant

UL LISTED

Worldwide Exclusive Distribution

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Specifications are subject to change without notice. This information supersedes all previously supplied information.

Specifications – Standard Cables				
Part Number	**PCLP2PT**		**PCLP1PT**	
Conductors	16 AWG [1.5 mm²] Conductors: Tinned, annealed copper, stranded [26/30]	14 AWG [2.5 mm²] Conductor: Tinned, annealed copper, stranded [41/30]	16 AWG [1.5 mm²] Conductors: Tinned, annealed copper, stranded [26/30]	22 AWG [0.34 mm²] Conductor: Tinned, annealed copper stranded [7/30]
Insulation	16 AWG Conductors: 300 volt PVC Black/White, Red/Blue Nom. Wall: 0.010 in [0.25 mm] Nom. Dia.: 0.079 in [2 mm]	14 AWG Conductor: 300 volt PVC Green Nom. Wall: 0.012 in [0.30 mm] Nom. Dia.: 0.098 in [2.49 mm]	16 AWG Conductors: 300 volt PVC Black/White Nom. Wall: 0.010 in [0.25 mm] Nom. Dia.: 0.079 in [2 mm]	22 AWG Conductor: 300 volt PVC Green Nom. Wall: 0.010 in [0.25 mm] Nom. Dia.: 0.050 in [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 in [0.51 mm] Outside Diameter: 0.315 in [8 mm] Nom.		Black PVC, UV and fungus resistant, Flame retardant Nom. wall: 0.020 in [0.51 mm] Outside Diameter: 0.20 in [5.08 mm] Nom.	
Weight	130 lbs. per 1,000 ft. [194Kg per 1,000 m] Ordered per reel at a length of 1000 ft.		55 lbs. per 1,000 ft. [82Kg per 1,000 m] Ordered per reel at a length of 1000 ft.	
Markings	Surface print: *PROPLEX PCLP2PT* ARCHITECTURAL NODE CABLE CL3 (UL) E177741 FT1		Surface print: *PROPLEX PCLP1PT* ARCHTECTURAL 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 in [65 mm] Min.		1.5 in [38 mm] Min.	
Pull Tension	115 lbs. [52 Kg] Max.		45 lbs. [20 Kg] Max.	
Testing	UL Type CL3 in accordance with NEC article 725 for class 3 power limited circuits.			

Note: Purchase quantities are in 1000' reels.

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Specifications – Plenum Cables				
Part Number	**PCLP2PTPB**		**PCLP1PTPB**	
Conductors	16 AWG [1.5 mm^2] Conductors: Annealed copper, stranded [26/30]	14 AWG [2.5 mm^2] Conductor: Annealed copper, stranded [41/30]	16 AWG [1.5 mm^2] Conductors: Annealed copper, stranded [26/30]	22 AWG [0.34 mm^2] Conductor: Annealed copper stranded [7/30]
Insulation	16 AWG Conductors: 300 volt LS Plenum PVC Black/White, Red/Blue Nom. Wall: 0.010 in [0.25 mm] Nom. Dia.: 0.079 in [2 mm]	14 AWG Conductor: 300 volt LS Plenum PVC Green Nom. Wall: 0.012 in [0.30 mm] Nom. Dia.: 0.095 in [2.41 mm]	16 AWG Conductors: 300 volt LS Plenum PVC Black/White Nom. Wall: 0.010 in [0.25 mm] Nom. Dia.: 0.079 in [2 mm]	22 AWG Conductor: 300 volt LS Plenum PVC Green Nom. Wall: 0.010 in [0.25 mm] Nom. Dia.: 0.050 in [1.27 mm]
Assembly	2 pairs - 16 AWG conductors and 1 - 14 AWG conductor cabled with no fillers. 3 in nominal left hand lay.		1 pair - 16 AWG conductors and 1 - 22 AWG conductor cabled with no fillers. 3 in nominal left hand lay.	
Jacket	Black LS Plenum PVC, White available by special order Nom. wall: 0.021 in [0.53 mm] Outside Diameter: 0.315 in [8 mm] Nom.		Black LS Plenum PVC, White available by special order Nom. wall: 0.021 in [0.53 mm] Outside Diameter: 0.198 in [5 mm] Nom.	
Weight	66 lbs. per 1,000 ft. [98Kg per 1,000 m] approx. Ordered per reel at a length of 1000 ft.		30 lbs. per 1,000 ft. [45Kg per 1,000 m] approx. Ordered per reel at a length of 1000 ft.	
Markings	Surface Print: PROPLEX PCLP2PTPB ARCHITECTURAL NODE CABLE CL3P (UL) E177741 FT6		Surface Print: PROPLEX PCLP1PTPB ARCHITECTURAL NODE CABLE CL3P (UL) E177741 FT6	
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 in [83 mm] Min.		2.0 in [50.8 mm] Min.	
Pull Tension	123 lbs. [55.8 Kg] Max.		66 lbs. [29.9 Kg] Max.	
Testing	UL Type CL3P in accordance with NEC article 725 for class 3 power limited circuits. NFPA 262 Smoke and Flame Test.			

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