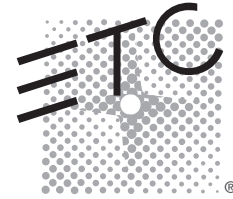
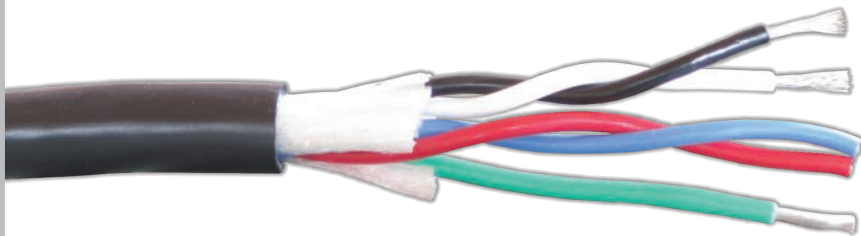


# ProPlex<sup>®</sup>

CABLES FOR

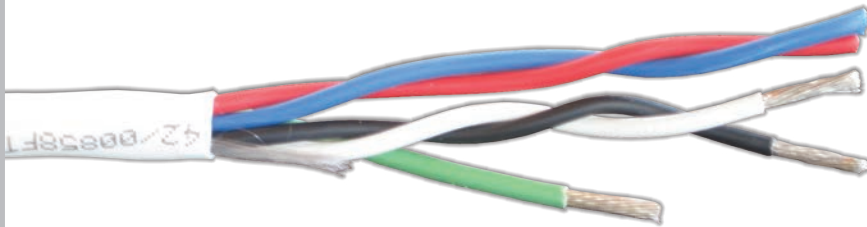


Cables specially designed for the distribution of Echelon link power. Also available with auxiliary power conductors for devices such as interfaces and LCD displays. The integral drain wire is especially useful in installations with non-metallic conduit.



**PCLP2PT - ProPlex Unison Multipurpose Cable:**  
2-pair - for the distribution of Echelon link power and auxiliary power.

2-16 AWG (1.5mm<sup>2</sup>) pairs and 1-14 AWG (2.5mm<sup>2</sup>) ground conductor in a durable PVC jacket.



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



**PCLP1PT - ProPlex Unison Link Power Cable:**  
1-pair - for the distribution of Echelon link power.

1-16 AWG (1.5mm<sup>2</sup>) pair and 1-22 AWG (0.34mm<sup>2</sup>) ground conductor in a durable PVC jacket.



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



**RoHS**  
Compliant

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## SPECIFICATIONS

	Standard Cables			
	PCLP2PT		PCLP1PT	
<b>Conductors</b>	16 AWG (1.5 mm <sup>2</sup> ) Conductors: Tinned, annealed copper, stranded [26/30]	14 AWG (2.5 mm <sup>2</sup> ) Conductor: Tinned, annealed copper, stranded [41/30]	16 AWG (1.5 mm <sup>2</sup> ) Conductors: Tinned, annealed copper, stranded [26/30]	22 AWG (0.34 mm <sup>2</sup> ) Conductor: Tinned, annealed copper stranded [7/30]
<b>Insulation</b>	16 AWG Conductors: 300 volt PVC Black/White, Red/Blue Nom. Wall: 0.023" (0.58 mm) Nom. Dia.: 0.105" (2.7 mm)	14 AWG Conductor: 300 volt PVC Green Nom. Wall: 0.023" (0.58 mm) Nom. Dia.: 0.120" (3.05 mm)	16 AWG Conductors: 300 volt PVC Black/White Nom. Wall: 0.023" (0.58 mm) Nom. Dia.: 0.105" (2.7 mm)	22 AWG Conductor: 300 volt PVC Green Nom. Wall: 0.010" (0.25 mm) Nom. Dia.: 0.050" (1.27 mm)
<b>Assembly</b>	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	
<b>Jacket</b>	Black PVC, UV and fungus resistant Nom. wall: 0.040" (1.02 mm)		Black PVC, UV and fungus resistant Nom. wall: 0.032" (0.81 mm)	
<b>Physical</b>	Outside Diameter: 0.490" (12.5 mm) Nom. Weight: 130 lbs. per 1,000 ft. (194Kg per 1,000 m)		Outside Diameter: 0.275" (7 mm) Nom. Weight: 55 lbs. per 1,000 ft. (82Kg per 1,000 m)	
<b>Markings</b>	Indent Print: *PROPLEX PCLP2PT* UNISON MULTIPURPOSE CABLE CL3 (UL) E177741 FT1		Indent Print: *PROPLEX PCLP1PT* UNISON LINK POWER CABLE CL3 (UL) E177741 FT1	
<b>Temperature</b>	60° C (-20° C)		60° C (-20° C)	
<b>Operating Voltage</b>	300 V RMS Max. per NEC Article 725		300 V RMS Max. per NEC Article 725	
<b>Capacitance</b>	32 pF/ft. Nom. Between Conductors @ 1 KHz		32 pF/ft. Nom. Between Conductors @ 1 KHz	
<b>Impedance</b>	80 Ohms		100 Ohms	
<b>Inductance</b>	0.144 uH/ft. Nom.		0.216 uH/ft. Nom.	
<b>DC Resistance</b>	4.15 Ohms/1Mft Max. per 16ga Conductor @ 20° C		4.15 Ohms/1Mft Max. per 16ga Conductor @ 20° C	
<b>Velocity of Propagation</b>	53%		53%	
<b>Bend Radius</b>	2.5" (65 mm) Minimum		1.5" (38 mm) Minimum	
<b>Pull Tension</b>	115 lbs. (52 Kg) Maximum		45 lbs. (20 Kg) Maximum	
<b>Testing</b>	UL Type CL3 in accordance with NEC article 725 for class 3 power limited circuits.			

	Plenum Cables			
	PCLP2PTP		PCLP1PTP	
<b>Conductors</b>	16 AWG (1.5 mm <sup>2</sup> ) Conductors: Tinned, annealed copper, stranded [26/30]	14 AWG (2.5 mm <sup>2</sup> ) Conductor: Tinned, annealed copper, stranded [19/0.0147]	16 AWG (1.5 mm <sup>2</sup> ) Conductors: Tinned, annealed copper, stranded [26/30]	22 AWG (0.34 mm <sup>2</sup> ) Conductor: Tinned, annealed copper stranded [7/30]
<b>Insulation</b>	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)
<b>Assembly</b>	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.)	
<b>Jacket</b>	White LS Plenum PVC Nom. wall: 0.021" (0.53 mm)		White LS Plenum PVC Nom. wall: 0.021" (0.53 mm)	
<b>Physical</b>	Outside Diameter: 0.315" (8 mm) Nom. Weight: 66 lbs. per 1,000 ft. (98Kg per 1,000 m) approx.		Outside Diameter: 0.198" (5 mm) Nom. Weight: 30 lbs. per 1,000 ft. (45Kg per 1,000 m) approx.	
<b>Markings</b>	Surface Print: PROPLEX PCLP2PTP UNISON MULTIPURPOSE CABLE 16/2PR + 14/1 E57497 CL3P 14 AWG (UL) MADE IN USA RoHS COMPLIANT		Surface Print: PROPLEX PCLP1PTP UNISON LINK POWER CABLE 16/2 + 22/1 E118871 CMP/CL3P 16 AWG (UL) c(UL) MADE IN USA RoHS COMPLIANT	
<b>Temperature</b>	60° C (-20° C)		60° C (-20° C)	
<b>Operating Voltage</b>	300 V RMS Max. per NEC Article 725		300 V RMS Max. per NEC Article 725	
<b>Capacitance</b>	28.1 pF/ft Nom. Between Conductors @ 1 KHz		32.4 pF/ft Nom. Between Conductors @ 1 KHz	
<b>Impedance</b>	66 Ohms		57 Ohms	
<b>Inductance</b>	0.19 uH/ft. Nom.		0.19 uH/ft. Nom.	
<b>DC Resistance</b>	4.35 Ohms/1Mft Max. per 16ga Conductor @ 20° C		4.35 Ohms/1Mft Max. per 16ga Conductor @ 20° C	
<b>Velocity of Propagation</b>	55%		55%	
<b>Bend Radius</b>	3.25" (83 mm) Minimum		2.0" (50.8 mm) Minimum	
<b>Pull Tension</b>	123 lbs. (55.8 Kg) Maximum		66 lbs. (29.9 Kg) Maximum	
<b>Testing</b>	UL Type CL3 in accordance with NEC article 725 for class 3 power limited circuits. NFPA 262 Smoke and Flame Test.			