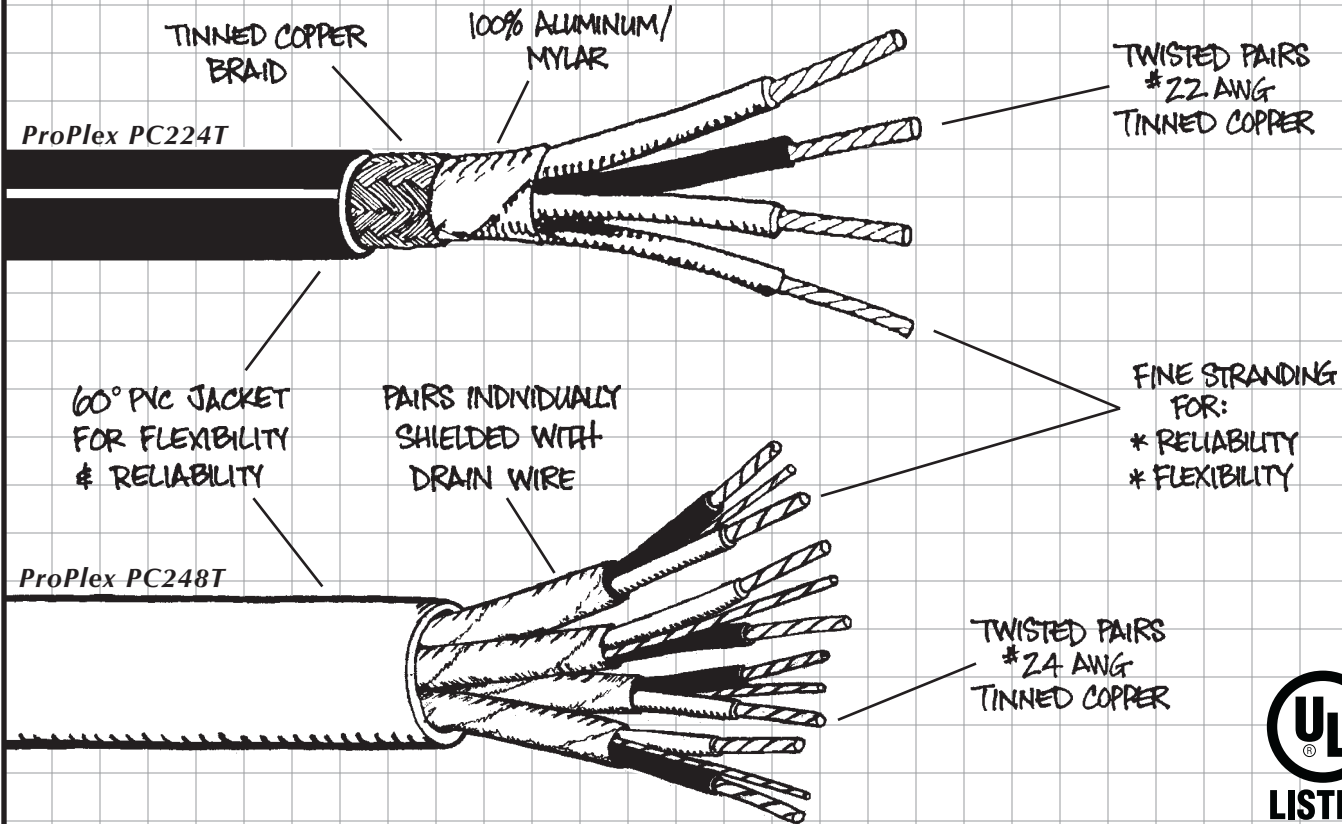


# ProPlex™ - INSTALLATION DATA CABLES



## LOOKING FOR A BETTER DATA CABLE?

*Designed for maximum ease of installation.  
Specifications Guaranteed.*

*When data transmission is critical, there is only one option.*

# ProPlex™

PROFESSIONAL CONTROL CABLE



### LOS ANGELES

10643 Glenoaks Blvd.  
Pacoima, CA 91331  
USA

Tel: +1 818.899.8818  
Fax: +1 818.899.8813

### LONDON

2 Commerce Road  
Brentford, Middx TW8 8LR  
UK

Tel: +44 (0)20.8560.9652  
Fax: +44 (0)20.8560.1064

### NEW YORK

100-D W. Forest Avenue  
Englewood, NJ 07631  
USA

Tel: +1 201.541.9292  
Fax: +1 201.541.8448

### BEIJING

Unit 4, Blk 7, Shizipo  
Dongzhimenwai  
Dongcheng District  
Beijing, China 100027

Tel: +86 10.6417.2286  
Fax: +86 10.6415.9475

### TORONTO

409 Saddler St. West  
Box 654, Durham  
Ontario N0G-1R0

Tel: +1 519.369.9990  
Fax: +1 519.369.9992

# ProPlex™ INSTALLATION CABLE SPECIFICATIONS

PC224T, PC226T: CL2 UL-Listed low capacitance data cable, overall foil and braid shielding with drain wire. UV and fungus resistant. Fully rated for installations, yet easy handling for light-duty portable applications.

PC244T, PC248T: CM CMH C(UL) 1581-Listed low capacitance data cable, individually shielded pairs and drain wires. UV resistant. Designed for super easy pulling and stripping in permanent installations. Color coded foil shielding for easy reference.

PC244TP, PC248TP: CMP C(UL) 444-Listed low capacitance data cable, individually shielded pairs and drain wires. Plenum-rated.

TESTING: All ProPlex data cables are tested to specification as follows: Hi Pot, Continuity, Impedance and Capacitance.

	PC224T	PC226T	PC244T	PC248T	PC244TP	PC248TP
<b>CONDUCTORS</b>	22 AWG Tinned, annealed copper stranded 19 x 34		24 AWG Tinned, annealed copper stranded 7 x 32		24 AWG Tinned, annealed copper stranded 7 x 32	
<b>INSULATION</b>	Color coded 60° C, 300 volt, foam HDPE Black/White, Red/Green Nom. wall: 0.016" Nom. dia.: 0.064"	Color coded 60° C, 300 volt foam HDPE Black/White, Red/Green, Blue/Orange Nom. wall: 0.016" Nom. dia.: 0.064"	Color coded 60° C, 300 volt, foam HDPE Black/White paired with silver shield tape Black/Red paired with red shield tape Nom. wall: 0.019" Nom. dia.: 0.062"	Color coded 60° C, 300 volt, foam HDPE. Black/White paired with silver shield tape. Black/Red paired with red shield tape. Black/Green paired with green shield tape. Black/Blue paired with blue shield tape. Nom. wall: 0.019" Nom. dia.: 0.062"	Color coded 300 volt, FEP Black/White paired Red/Green paired Nom. wall: 0.010" Nom. dia.: 0.044"	Color coded 300 volt, FEP Black/White paired Black/Red paired Black/Green paired Black/Blue paired Nom. wall: 0.010" Nom. dia.: 0.044"
<b>ASSEMBLY</b>	Pairs cabled with Kevlar strength member and fillers		Pairs cabled with individual shields, drain wires, fillers and clear polyester binder		Pairs cabled with individual shields, drain wires, fillers and clear polyester binder	
<b>SHIELD</b>	Inner: Aluminum / mylar, 100% coverage with drain wire Outer: Tinned copper braid, 75% coverage		Aluminum / mylar, 100% coverage with drain wire.		Aluminum / mylar, 100% coverage with drain wire.	
<b>DRAIN</b>	22 AWG Tinned, annealed copper stranded 19 x 34		24 AWG Tinned, annealed copper stranded 7 x 32		24 AWG Tinned, annealed copper stranded 7 x 32	
<b>JACKET</b>	Black PVC Nom. wall: 0.040" Tensile strength: 1,500 psi Construction for easy stripping		Grey PVC Nom. wall: 0.035" Construction for easy stripping		White Plenum PVC Nom. wall: 0.018" Construction for easy stripping	
<b>PHYSICAL</b>	Outside diameter: 0.320" nom. Weight: 58 lbs. per 1,000 ft.	Outside diameter: 0.330" nom. Weight: 63 lbs. per 1,000 ft.	Outside diameter: 0.315" nom. Weight: 28 lbs. per 1,000 ft.	Outside diameter: 0.365" nom. Weight: 55 lbs. per 1,000 ft.	Outside diameter: 0.194" nom. Weight: 20.5 lbs. per 1,000 ft.	Outside diameter: 0.234" nom. Weight: 27.1 lbs. per 1,000 ft.
<b>TEMPERATURE</b>	Plus 60° C, minus 20° C		Plus 60° C, minus 20° C		Plus 60° C, minus 20° C	
<b>CONDUCTIVITY</b>	15.5 Ohms (max.) @ 20° C		24.0 Ohms (max.) @ 20° C		22.96 Ohms (max.) @ 20° C	
<b>CHARACTERISTIC IMPEDANCE</b>	110 Ohms @ 1 MHz		100 Ohms @ 1 MHz		71 Ohms @ 1 MHz	
<b>CAPACITANCE</b>	13 pf/ft. nom. conductor-to-conductor 27 pf/ft. nom. conductor-to-shield		12.5 pf/ft. nom. conductor-to-conductor 41 pf/ft. nom. conductor-to-shield		20.4 pf/ft. nom. conductor-to-conductor 37.5 pf/ft. nom. conductor-to-shield	
<b>INDUCTANCE</b>	0.16 uH / ft. nom.	0.16 uH / ft. nom.	0.125 uH / ft. nom.	0.125 uH / ft. nom.	-	-
<b>BEND RADIUS</b>	1.6" minimum	1.7" minimum	1.6" minimum	1.8" minimum	1.6" minimum	1.8" minimum
<b>PULL TENSION</b>	24 lbs. maximum	36 lbs. maximum	14 lbs. maximum	28 lbs. maximum	14 lbs. maximum	28 lbs. maximum