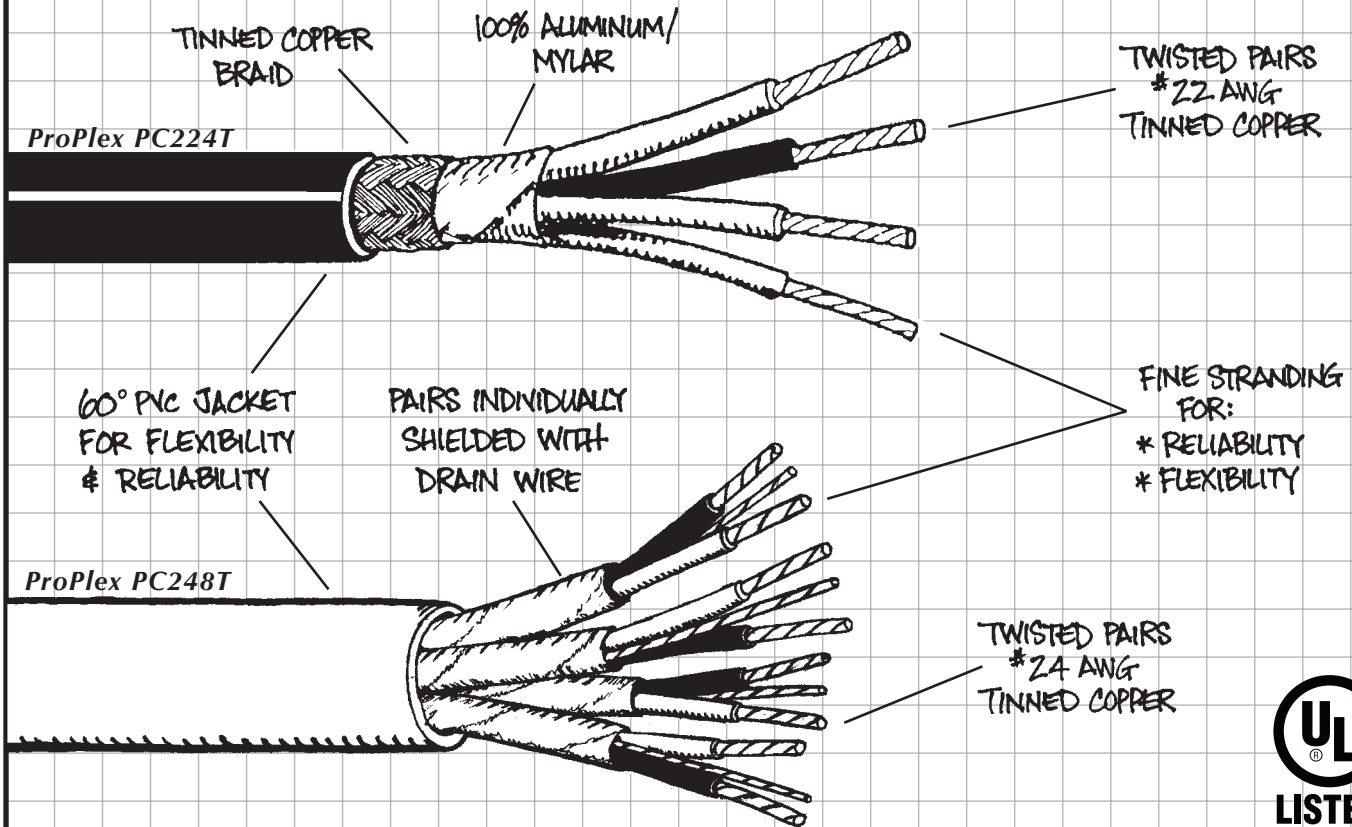


ProPlex™ - INSTALLATION DATA CABLES



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
CONDUCTORS	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	
INSULATION	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"
ASSEMBLY	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	
SHIELD	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.	
DRAIN	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	
JACKET	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	
PHYSICAL	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.
TEMPERATURE	Plus 60° C, minus 20° C		Plus 60° C, minus 20° C		Plus 60° C, minus 20° C	
CONDUCTIVITY	15.5 Ohms (max.) @ 20° C		24.0 Ohms (max.) @ 20° C		22.96 Ohms (max.) @ 20° C	
CHARACTERISTIC IMPEDANCE	110 Ohms @ 1 MHz		100 Ohms @ 1 MHz		71 Ohms @ 1 MHz	
CAPACITANCE	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	
INDUCTANCE	0.16 uH / ft. nom.	0.16 uH / ft. nom.	0.125 uH / ft. nom.	0.125 uH / ft. nom.	-	-
BEND RADIUS	1.6" minimum	1.7" minimum	1.6" minimum	1.8" minimum	1.6" minimum	1.8" minimum
PULL TENSION	24 lbs. maximum	36 lbs. maximum	14 lbs. maximum	28 lbs. maximum	14 lbs. maximum	28 lbs. maximum