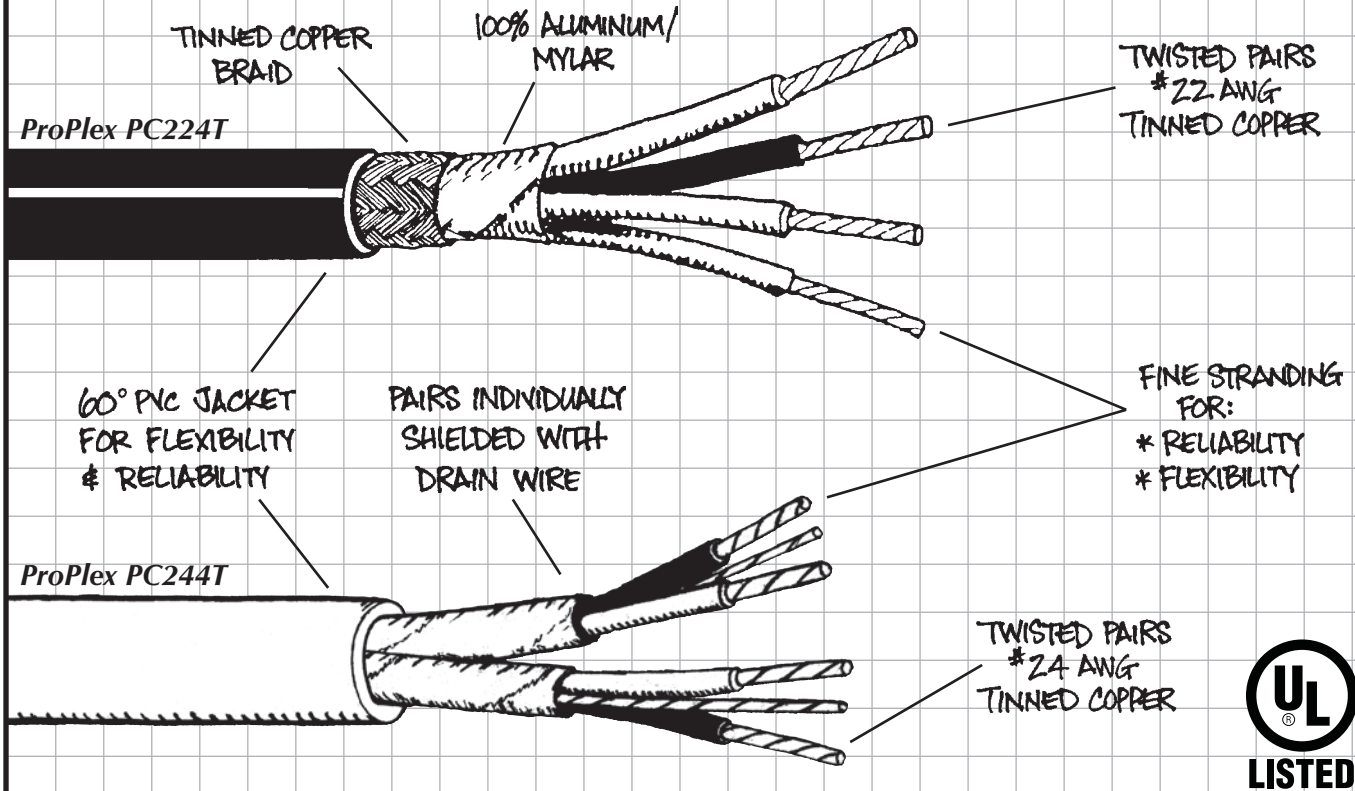


ProPlex® - INSTALLATION DATA CABLES



LOOKING FOR A BETTER DATA CABLE?

Designed for maximum ease of installation.
Specifications Guaranteed.

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

RoHS
Compliant

- Cable is RoHS compliant
- TMB UK and Canada cable assemblies RoHS compliant
- TMB US cable assemblies RoHS compliant by request

ProPlex®
PROFESSIONAL CONTROL CABLE



Production Supplies & Services Worldwide

tmb-info@tmb.com

LOS ANGELES

LONDON

NEW YORK

BEIJING

TORONTO

Tel: +1 818.899.8818

Tel: +44 (0)20.8574.9700

Tel: +1 201.896.8600

Tel: +86 10.8492.1587

Tel: +1 519.538.0888

ProPlex[®]

INSTALLATION CABLE SPECIFICATIONS

PC224T, PC224TW, 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: 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: 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	PC224TW	PC226T	PC244T	PC244TP
Conductors	22 AWG [0.34 mm ²] Tinned, annealed copper stranded 19 x 34			24 AWG [0.25 mm ²] Tinned, annealed copper stranded 7 x 32	
Insulation	60° C, 300 Volt, foam HDPE. Nom. wall: 0.016" [0.41 mm] Nom. Diameter: 0.064" [1.63 mm]			60° C, 300 Volt, foam HDPE. Nom. wall: 0.019" [0.48 mm] Nom. Diameter: 0.062" [1.57 mm]	300 Volt, FEP. Nom. wall: 0.010" [0.25 mm] Nom. Diameter: 0.044" [1.18 mm]
Colour Code	Black/White, Red/Green		Black/White, Red/Green, Blue/Orange	Black/White paired with silver shield. Black/Red paired with red shield.	Black/White paired Red/Green paired
Assembly	Pairs cabled with Kevlar strength member and fillers.			Pairs cabled with individual shields, drain wires, fillers and clear polyester binder.	
Shield	Inner: Aluminium / mylar, 100% coverage with drain wire. Outer: Tinned copper braid, 75% coverage.			Aluminium / mylar, 100% coverage with drain wire.	
Drain	22 AWG [0.34 mm ²] Tinned, annealed copper stranded 19 x 34.			24 AWG [0.25 mm ²] Tinned, annealed copper stranded 7 x 32	
Jacket	PVC Nom. wall: 0.040" [1 mm] Tensile strength: 1,500 psi Construction for easy stripping			PVC Nom. wall: 0.035" [0.89 mm] Construction for easy stripping	Plenum PVC Nom. wall: 0.018" [0.46 mm] Construction for easy stripping
Jacket Colour	Black	White	Black	Grey	White
Physical	Outside diameter: 0.32" [8.13 mm] nom. Weight: 58 lbs. per 1,000 ft. [82.6 Kg/Km]		Outside diameter: 0.33" [8.38 mm] nom. Weight: 63 lbs. per 1,000 ft. [89.8 Kg/Km]	Outside diameter: 0.315" [8 mm] nom. Weight: 28 lbs. per 1,000 ft. [39.9 Kg/Km]	Outside diameter: 0.191" [4.85 mm] nom. Weight: 21 lbs. per 1,000 ft. [29.2 Kg/Km]
Temperature	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	27.2 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.			0.125 uH / ft. nom.	•
Bend Radius	1.6" [40.6 mm] min.		1.7" [43.2 mm] min.	1.6" [40.6 mm] min.	1.6" [40.6 mm] min.
Pull Tension	24 lbs. [10.8 Kg] max.		36 lbs. [16.3 Kg] max.	14 lbs. [6.4 Kg] max.	14 lbs. [6.4 Kg] max.