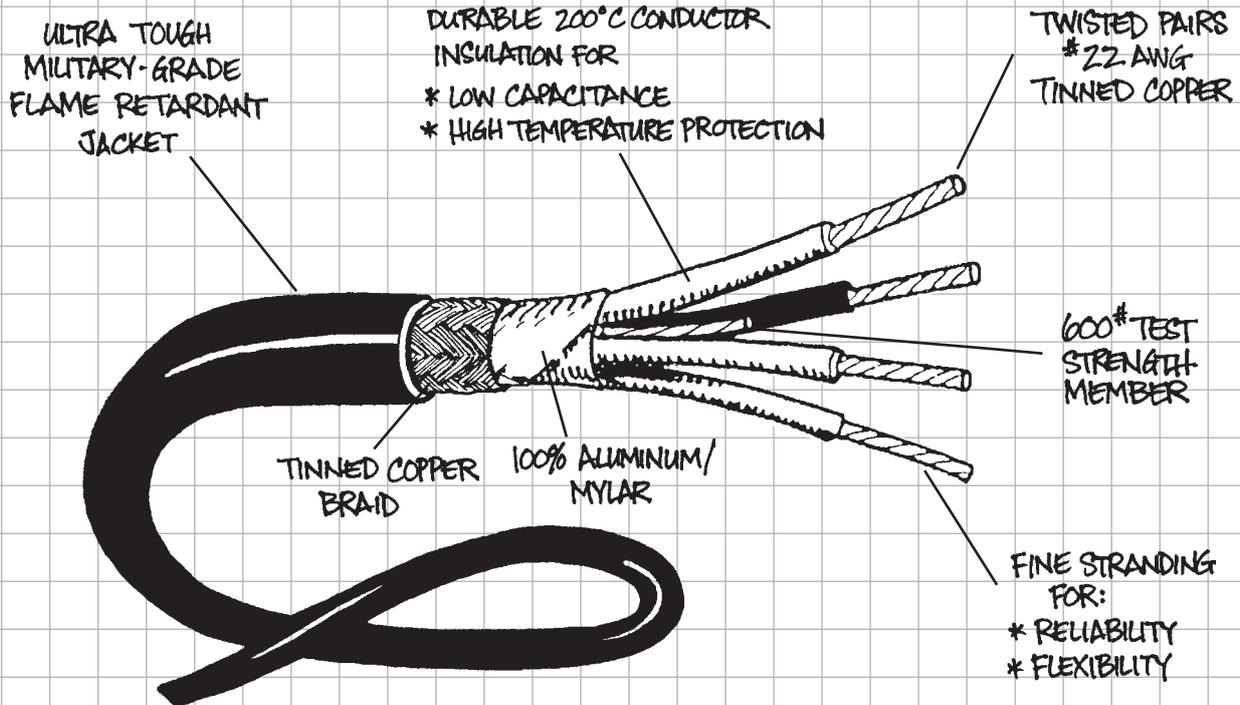


ProPlex® - PORTABLE DATA CABLES



THE BEST INVESTMENT YOU'LL EVER MAKE

ProPlex "P" series data cables are built to survive the toughest conditions, yet handle and coil well, again and again and again. They have been exhaustively developed, tested and re-tested. 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



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ProPlex[®]

PORTABLE CABLE SPECIFICATIONS

PC222P, PC224P: Extra-rugged, flexible data cables, double-shielded, low capacitance. Suitable for MIDI, DMX512, RS485/RS422 and other formats in portable applications.

PCCCT: Rugged, flexible combination power and control cable for color changers.

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

	PC222P	PC224P	PCCCT
Conductors	22 AWG [0.34 mm ²] Tinned, annealed copper stranded 19 x 34		Data pair: 22 AWG [0.34 mm ²] Tinned, annealed copper stranded 19 x 34 Power: 14 AWG [2.5 mm ²] Tinned, annealed copper stranded 41 x 30
Insulation	200° C, 300 Volt FEP. Nom. wall: 0.015" [0.38 mm] Min. wall: 0.013" [0.33 mm]		80° C, 300 Volt Polypropylene Data pair: Nom. wall: 0.012" [0.30 mm] Min. wall: 0.008" [0.20 mm] Power: Nom. wall: 0.012" [0.30 mm] Min. wall: 0.009 [0.23 mm]
Color Code	Black/White	Black/White, Red/Green	Data pair: Red/Green Power: Black/White
Assembly	Pairs cabled with Kevlar strength member		Power singles cabled around shielded data pair w/drain wire
Shield	Inner: Aluminum / mylar, 100% coverage Outer: Tinned copper braid, 85% coverage		Aluminum / mylar around 22 AWG pair, aluminum in, 100% coverage
Drain	None		22 AWG [0.34 mm ²] Tinned, annealed copper stranded 19 x 34
Jacket	Black polyurethane Nom. wall: 0.060" [1.52 mm] Elongation: 550% Tensile strength: 5,000 psi High pressure extrusion		Black PVC Nom. wall: 0.040" [1 mm] Elongation: 300% Tensile strength: 2,000 psi
Physical	Outside diameter: 0.215" [5.46 mm] nom. Weight: 29 lbs. per 1,000 ft. [41.3 Kg/Km]	Outside diameter: 0.285" [7.24 mm] nom. Weight: 45 lbs. per 1,000 ft. [64 Kg/Km]	Outside diameter: 0.290" [7.37 mm] nom. Weight: 73 lbs. per 1,000 ft. [104 Kg/Km]
Temperature	Plus 105° C, minus 40° C		Plus 90° C, minus 20° C
Conductivity	14.5 Ohms (max.) per 1,000 ft. @ 25° C		Data pair: 15.5 Ohms (max.) per 1,000 ft @ 20° C Power: 2.75 Ohms per 1,000 ft @ 20° C nom.
Characteristic Impedance	80 Ohms	110 Ohms	Data pair: 60 Ohms
Capacitance	22pf / ft. nom. cond.-to-cond. 41pf / ft. nom. cond.-to-shield	13pf / ft. nom. cond.-to-cond. 25pf / ft. nom. cond.-to-shield	Data pair: 25pf nom. cond.-to-cond, 44pf nom. cond.-to-shield
Inductance	0.32 uH / ft. nom.	0.31 uH / ft. nom.	•
Bend Radius	1.3" minimum	1.75" minimum	•