

# ProPlex® - PORTABLE DATA CABLES



PC224P: 2-pair DMX512 cable, Extra-rugged, double-shielded, low capacitance.



PC222P: 1-pair DMX512 cable, Extra-rugged, double-shielded, low capacitance.

## 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

Innovative, Performance-Driven Show Technology Since 1983

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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.

TESTING: TMB guarantees that all ProPlex data cables perform to specification as follows: Continuity, Impedance, and Capacitance.

	PC222P	PC224P
<b>Conductors</b>	22 AWG [0.34 mm <sup>2</sup> ] Tinned, annealed copper stranded 19 x 34	
<b>Insulation</b>	200° C, 300 Volt FEP. Nom. wall: 0.015" [0.38 mm] Min. wall: 0.013" [0.33 mm]	
<b>Colour Code</b>	Black/White	Black/White, Red/Green
<b>Assembly</b>	Pairs cabled with Kevlar strength member	
<b>Shield</b>	Inner: Aluminium / mylar, 100% coverage Outer: Tinned copper braid, 85% coverage	
<b>Drain</b>	None	
<b>Jacket</b>	Black UV-resistant Polyurethane Nom. wall: 0.060" [1.52 mm] Elongation: 550% Tensile strength: 5,000 psi High pressure extrusion	
<b>Legend</b>	PROPLEX PC222P 22 AWG 1 PAIR LOW CAP SHIELDED CONTROL CABLE	PROPLEX PC224P 22 AWG 2 PAIR LOW CAP SHIELDED CONTROL CABLE
<b>Physical</b>	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]
<b>Temperature</b>	Plus 105° C, minus 40° C	
<b>Conductivity</b>	14.5 Ohms (max.) per 1,000 ft. @ 25° C	
<b>Characteristic Impedance</b>	80 Ohms	110 Ohms
<b>Capacitance</b>	22pf / ft. nom. cond.-to-cond. 41pf / ft. nom. cond.-to-shield	13pf / ft. nom. cond.-to-cond. 25pf / ft. nom. cond.-to-shield
<b>Inductance</b>	0.32 uH / ft. nom.	0.31 uH / ft. nom.
<b>Bend Radius</b>	1.3" minimum	1.75" minimum