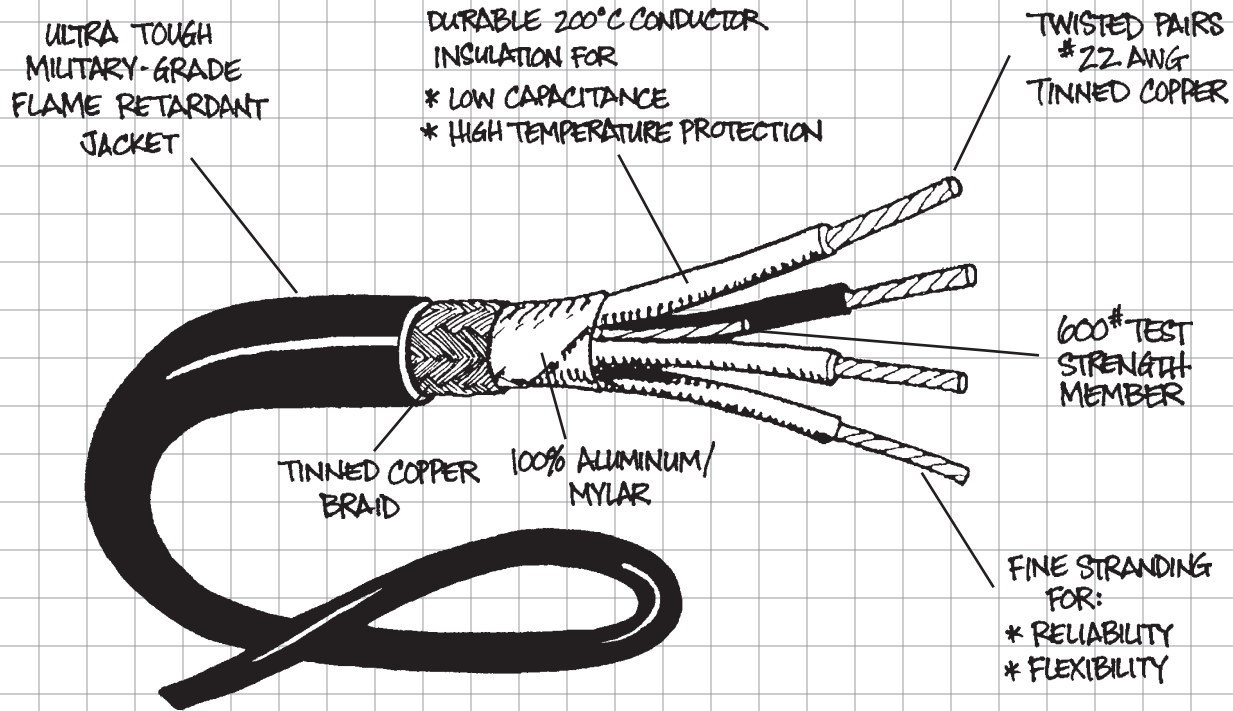


# ProPlex™ - PORTABLE DATA CABLES



## 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.*

# 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.

**PC1818ES:** Extra-rugged, flexible 18 gauge, 18 conductor flexible analog snake cable.

**PC2237ES:** Extra-rugged, flexible 22 gauge, 37 conductor flexible analog snake cable.

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

	PC222P	PC224P	PCCCT	PC1818ES	PC2237ES
<b>CONDUCTORS</b>	22 AWG Tinned, annealed copper stranded 19 x 34		Data pair: 22 AWG Tinned, annealed copper strand 19 x 34 Power: 14 AWG Tinned, annealed copper stranded 41 x 30	18 AWG Tinned, annealed copper stranded 19 x 30	22 AWG Tinned, annealed copper stranded 19 x 34
<b>INSULATION</b>	Color coded, 200° C, 300 volt FEP. Black/White Nom. wall: 0.015" Min. wall: 0.013"	Color coded, 200° C, 300 volt FEP. Black/White, Red/Green Nom. wall: 0.015" Min. wall: 0.013"	Data pair: color coded, 80° C, 300 volt polypropylene Red/Green Nom. wall: 0.012" Min. wall: 0.008" Power: Color coded 80° C, 300volt polypropylene Black/White Nom. wall: 0.012" Min. wall: 0.009	Color coded, 300 volt PVC Nom. wall: 0.010" Min. wall: 0.008"	Color coded, 300 volt PVC Nom. wall: 0.011" Min. wall: 0.008"
<b>ASSEMBLY</b>	Pairs cabled with Kevlar strength member		Power singles cabled around shielded data pair w/drain wire	Planetary layup with a Kevlar strength member	Planetary layup around a polypropylene core and a Kevlar strength member
<b>SHIELD</b>	Inner: Aluminum / mylar, 100% coverage Outer: Tinned copper braid, 85% coverage		Aluminum / mylar around 22 AWG pair, aluminum in, 100% coverage	Tinned copper braid, 80% coverage	Aluminum / mylar, 100% coverage Tinned copper braid, 80% coverage
<b>DRAIN</b>	N o n e		22 AWG Tinned, annealed copper stranded 19 x 34	N o n e	
<b>JACKET</b>	Black polyurethane Nom. wall: 0.060" Elongation: 550% Tensile strength: 5,000 psi High pressure extrusion		Black PVC Nom. wall: 0.040" Elongation: 300% Tensile strength: 2,000 psi	Matte black polyurethane Nom. wall: 0.060" Elongation: 550% Tensile Strength: 5,000 psi	Matte black polyurethane Nom. wall: 0.070" Elongation: 550% Tensile Strength: 5,000 psi
<b>PHYSICAL</b>	Outside diameter: 0.215" nom. Weight: 29 lbs. per 1,000 ft.	Outside diameter: 0.285" nom. Weight: 45 lbs. per 1,000 ft.	Outside diameter: 0.290" nom. Weight: 73 lbs. per 1,000 ft.	Outside diameter: 0.500" nom. Weight: 212 lbs. per 1,000 ft.	Outside diameter: 0.62" nom. Weight: 170 lbs. per 1,000 ft.
<b>TEMPERATURE</b>	Plus 105° C, minus 40° C		Plus 90° C, minus 20° C	Plus 105° C, minus 70° C	
<b>CONDUCTIVITY</b>	14.5 Ohms (max.) per 1,000 ft. @ 25° C		Data pair: 15.5 Ohms (max.) per 1,000 ft @ 20° C	●	●
<b>CHARACTERISTIC IMPEDANCE</b>	80 Ohms	110 Ohms	Data pair: 60 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	Data pair: 25pf nom. conductor-to-conductor, 44pf nom. conductor-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	●	●	●