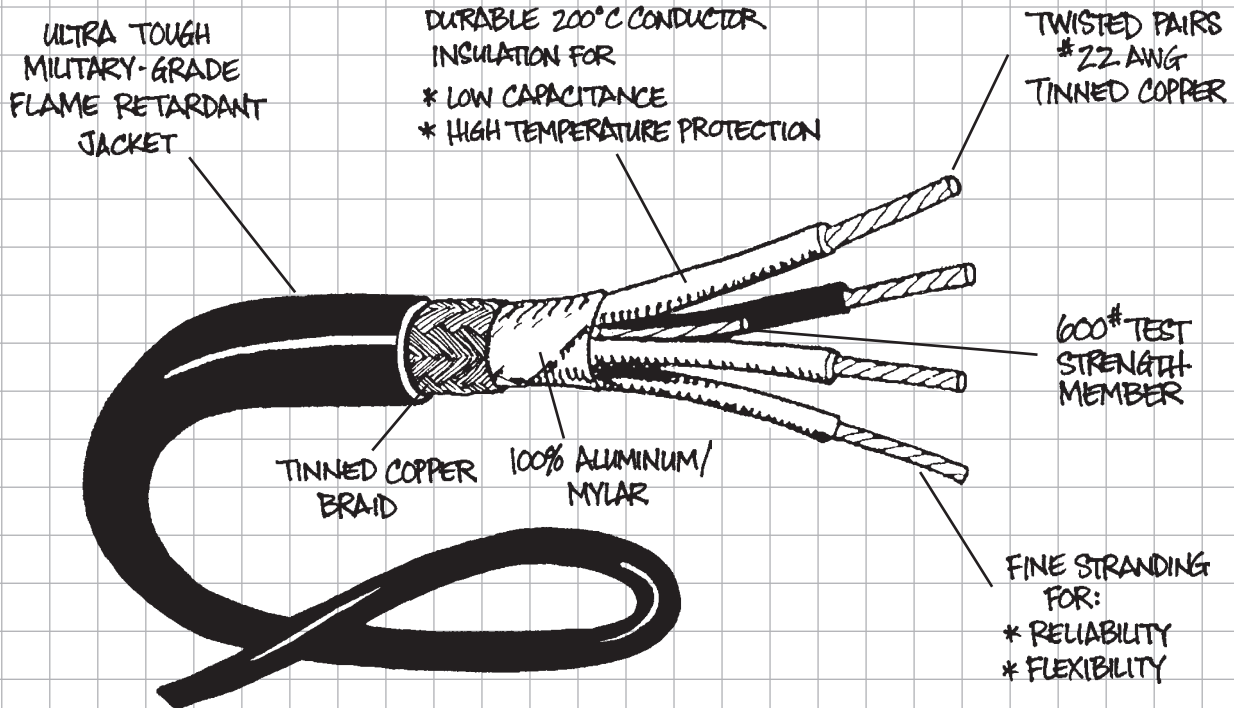


# ProPlex® - PORTABLE DATA CABLES



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