

Bus/Data

HY-TREX® Profibus Cable

HY-TREX® Profibus DP Cable is a communication cable used to operate sensors and actuators through a centralized controller in factory automation systems. Designed with flexibility as a key attribute, Hy-Trex Profibus DP cable uses finely stranded tinned copper conductors that resist corrosion, improve flexibility and help reduce conductor fatigue and breakage in flexing applications.



Ratings



600V

Max Conductor Temperature 80°C

AWM Style 20207

IEC 61158-2: Profibus DP

IEC 61784: Industrial Communication Network Standard

Performance Characteristics

- ✓ Impedance: 150 +/- 15 Ohms Differential 78.8 Ohm Single Ended
- ✓ Capacitance: 9.15 pF/Ft. Mutual 16.5 pF/Ft. Single-Ended
- ✓ Velocity of Propagation: 66%
- ✓ Bend Radius (Static): 6x Cable O.D.
- ✓ Bend Radius (Dynamic): 8x Cable O.D.

Engineered to Resist



Flexing



Abrasion

Features & Benefits

Finely Stranded Tinned Copper Conductors

Fine stranding improves flex-life and reduces conductor fatigue and breakage. Tinned conductors resist corrosion and are easier to solder.

Specially Compounded Solid Polyethylene Insulation System

Provides excellent dielectric and insulation properties.

65% Coverage Tinned Copper Braid Shield Plus Aluminum/Polyester Foil Shield Construction

Provides protection against EM and RF interference and a low impedance path to ground. Protects equipment and motor damage from electrical noise and "stray voltage".

Specially Compounded Purple TPE Jacket

Offers superior first-line defense against tearing, abrasion, impact, oil, ozone and most chemicals.

Ordering Information

For complete product ordering information, please scan the QR Code or contact your TPC sales representative

Part No.	Configuration AWG/Cond	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland*
PB100-022-1STP-SB	22 AWG / 1 PR	0.301	46	55003

Notes

*Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.