Bus/Data

HY-TREX® DeviceNet™ Cable - Thin

HY-TREX® DeviceNet™ Cable - Thin is a communication cable for industrial automation applications to communicate between controllers and field devices such as motors, sensors, and actuators. DeviceNet Thin cable is installed from the Thick (Trunk) line to peripheral devices, also known as a drop line.

Ratings UL LISTED | 300V | Type CL3 | AWM Style 20207

Performance Characteristics

- Operating Temperature: -25°C to 80°C
- Impedance: 120 +/- 12 Ohms Single-Ended
- Capacitance: 12 pF/Ft. Cond-Cond 24 pF/Ft. Cond-Shield
- Propagation Delay: 1.47 nSec/FT. Nominal
- 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 TPE Insulation (Power Pair)

Resists effects of lubricating oils, coolants, cutting oils, acids, and most chemicals.

Specially Compounded Polypropylene Insulation (Communication Pair)

Polypropylene provides excellent dielectric and insulation properties.

75% Coverage Tinned Copper Braid Shield Plus Aluminum/Mylar Foil Shield Construction

Aluminum/Mylar Foil Shield over each pair, tinned copper braid overall shield provides 100% protection against EM and RF interference.

Specially Compounded Gray 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.	Power Conductor (AWG/No Pairs)	Communication Conductor (AWG/No. Pairs)	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland*
DN220-2422-2STP-SB	24/1 PR	22/1 PR	0.345	65	55002/55003

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.*