


Bus/Data

Trex-Onics® DeviceNet™ Flex-Net Cable

Trex-Onics® DeviceNet™ Flex-Net Cable is designed to meet the electrical requirements identified by the Open DeviceNet Association (ODVA™) and is available in a Thick Trunk Cable design. This data cable features Ultra-Shield construction, which includes a heavy-duty combination of tinned copper braid, foil shield, and tinned drain wire providing 100% protection from electromagnetic and radio frequency interference. It has a heavy-duty TPE jacket that provides protection from environmental abuse and offers resistance to cutting, abrasion, oil and chemicals.



Ratings

 ODVA™ Conformity

300V

Max Conductor Temperature 80°C

Type PLTC

FT4 Flame Rating

Performance Characteristics

✓ Bend Radius (Static): 6x Cable O.D.

✓ Bend Radius (Dynamic): 8x Cable O.D.

✓ Capacitance Cond-Cond: 12pF/ft. @ 1MHz (nominal)

✓ Capacitance Cond-Shield: 24pF/ft. @ 1MHz (nominal)

✓ Impedance: 120 Ohms +/- 10% @ 1MHz (nominal)

✓ Propagation Delay: 1.36 nSec/ft. (maximum)

Engineered to Resist

 Flexing

 Abrasion

 Chemicals

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.

Ultra-Shield Tinned Copper Braid Shield Plus Aluminum/Polyester Foil Shield Construction
Provides 100% protection against EM and RF interference and a low impedance path to ground. Protects equipment and motor damage from electrical noise and "stray voltage".

Polyester Tape Wrap
Allows the braid and conductors to move freely within the jacket. Improves performance in high flex and torsional applications.

Specially Compounded Gray TPE Jacket
Offers superior first-line defense against tearing, abrasion, impact, oil, ozone and most chemicals.

Electrically Tested
Meets performance requirements as specified by ODVA™.

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*
60001	15/1 PR	18/1 PR	0.475	100	55004



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.