

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 ATPC 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.