

Bus/Data

Trex-Onics® DeviceNet™ Flex-Net High Performance Cables

Trex-Onics® DeviceNet™ Flex-Net High Performance Cables are designed to meet the electrical requirements identified by the Open DeviceNet Association (ODVA™) and is available in a Thick (Trunk) or Thin (Drop) 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 polyurethane jacket that provides protection from environmental abuse and offers resistance to cutting, abrasion, oil and chemicals.



Ratings



ODVA™ Conformity

300V

Max Conductor Temperature 70°C

Cold Temperature Rating -40°C

Performance Characteristics

- ✓ UV Resistant
- ✓ Bend Radius (Static): 6x Cable O.D.
- ✓ Bend Radius (Dynamic): 8x Cable O.D.
- ✓ Capacitance Cond-Cond: 14 pF/ft. @ 1MHz (nominal)
- ✓ Capacitance Cond-Shield: 24pF/ft. @ 1MHz (nominal)
- ✓ Impedance: 120 Ohms +/- 10% @ 1MHz (nominal)
- ✓ Velocity of Propagation: 66% (nominal)

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.

Heavy-Duty 65% Coverage Tinned Copper Braid Shield

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". Designed for superior performance in dynamic applications.

Specially Compounded TPU Jacket

Offers superior first-line defense against tearing, abrasion, impact, oil, ozone, UV exposure, and most chemicals. Flame and heat resistant. Extreme all-weather flexibility.

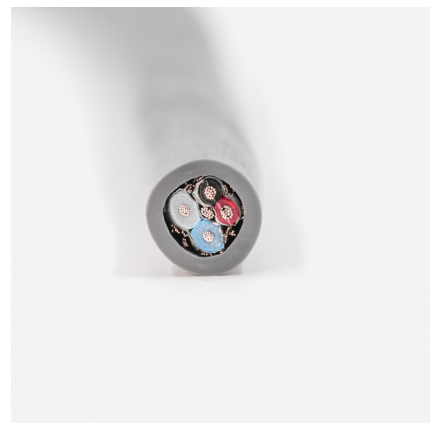
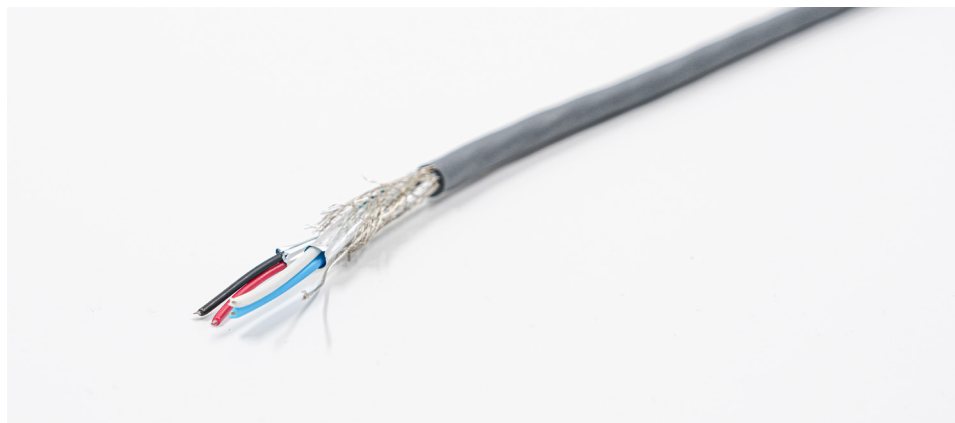
Electrically Tested

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. | Style | Standard Cable Gland* |
|----------|---------------------------------|---|-------------------|--------------------------|-------|-----------------------|
| 60009 | 15/1 PR | 18/1 PR | 0.433 | 110.9 | Thick | 55004 |
| 60010 | 22/1 PR | 24/1 PR | 0.271 | 37.6 | Thin | 55002 |



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.