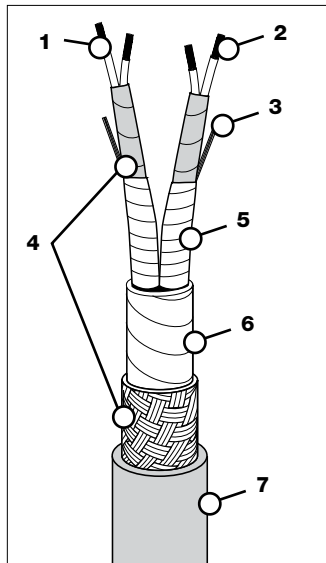


Trex-Onics® DeviceNet™ Flex-Net “Thick” High Performance Cable

- UL Recognized in the U.S. and Canada
- FT-4 Flame Rating
- Type PLTC
- 300 V
- ODVA Conformity
- RoHS Compliant
- Max Conductor Temp 80°C

Flex-Net Cable is designed to meet the electrical requirements identified by the Open DeviceNet Association (ODVA). The heavy-duty Ultra-Shield construction is a combination of two shielding technologies that provides both mechanical strength and 100% shielding protection from EMI and RF interference. The heavy-duty jacket provides excellent defense against cutting, abrasion, oil and chemicals, and is also flame and heat resistance. Flex-Net Cable meets the performance requirements as specified by ODVA with a capacitance between conductors – 12 pF/foot at 1 MHz (nominal), capacitance between one conductor and other conductor connected to shield is 24 pF/foot (nominal), impedance of 120 Ohms +/- 10% at 1 MHz, and propagation delay of 1.36 nSec/foot (maximum). Flex-Net Cable is available as a “Thick or Trunk Cable” high performance design.



FEATURES & BENEFITS

- 1. FINE STRANDED COPPER CONDUCTORS** – Improves flex life in abusive applications.
- 2. TINNED COPPER CONDUCTORS** – Resists corrosion. Easier to solder.
- 3. DRAIN WIRE** – Drain wire with each pair to protect against interference.
- 4. ULTRA-SHIELD CONSTRUCTION, A HEAVY-DUTY COMBINATION OF TINNED COPPER SHIELD AND AN ALUMINUM/POLYESTER FOIL SHIELD** – 100% shielding provides protection from EM and RF interference. Finely stranded spiral braid provides superior mechanical strength.
- 5. FLUOROPOLYMER TAPE WRAP** – Allows the braid and conductors to move more freely within the jacket. Improves performance in high flex torsional applications.
- 6. WOVEN NYLON TAPE** – Improves flexibility allowing conductor bundle to move easily within the jacket. Protects inner conductor bundle from spiral braid.
- 7. HEAVY-DUTY GRAY TREX-ONICS® TPE JACKET** – Excellent defense against cutting, abrasion, oil and chemicals.
- 8. ELECTRONICALLY TESTED** – Meets the performance requirements as specified by ODVA™.

COLOR CODE	
POWER PAIR	DATA PAIR
Red & Black	Blue & White

ELECTRICAL SPECIFICATIONS

- The electrical requirement of the DeviceNet Cable shall be in accordance with those identified by the ODVA (Open DeviceNet Association).
- Capacitance between Conductors – 12 pF/ft. at 1 MHz (nominal).
- Impedance – 120 Ohms +/- 10% (at 1 MHz).
- Capacitance between one conductor and other conductor connected to shield – 24 pF/ft. at 1 MHz (nominal).
- Propagation Delay – 1.36 nSec/ft. (maximum).

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'
60008	0.540	100

ODVA™ is a trademark of the Open DeviceNet Vendors Association, Inc. — 16 AWG Power Pair — 18 AWG Communication Pair

ADD AN EMI SHIELDED GRIP-SEAL® TO COMPLETE YOUR ORDER! See Page 143.

