Abrasion | Chemicals | Flexing

Trex-Onics® High-Flex Encoder Cable

Your High Performance OEM Replacement

- 300 V
- VW-1 Flame Rating
- Max Conductor Temp 90ºC
- UL Recognized in the U.S. & Canada
- Cold Temp Rating -40ºC
- RoHS Compliant
- AWM

The next generation of servo motor and encoder cables is a single-cable solution combining power conductors with signal pairs and the data element of dedicated encoder cables. The convergence of multiple roles into a single-cable solution greatly simplifies inventory management, installation and maintenance. TPC's Trex-Onics® High-Flex Encoder Cable is built to withstand the harsh industrial environments that many motors operate; abrasion resistance and long flex-life are key physical characteristics protecting the innovative electrical properties of this exciting, composite, single-cable solution.

FEATURES & BENEFITS

1. FINELY-STRANDED COPPER CONDUCTORS — Improves flexibility and extends conductor life in dynamic applications, color coded for ease of identification.

2. FILLERS — Low friction, non-wicking fillers increase flexibility in dynamic applications.

3. SPECIALLY COMPOUNDED TREX-ONICS® TPU JACKET — Superior first line defense against oil, ozone, UV exposure and most chemicals, flame and heat resistant, all-weather flexibility.

4. OIL-RESISTANT INSULATION SYSTEM — Designed to provide a long flex-life for optimal drive performance.

5. HEAVY-DUTY 85% COVERAGE OF TINNED COPPER BRAID — Provides a shield against EM and RF noise and interference. Designed for superior performance in moving applications.

6. SIGNAL PAIRS — Aluminum/polyester shielded for maximum flex-life and signal integrity.

7. DATA PAIRS — Low capacitance and aluminum/polyester shielded for maximum flex-life and signal integrity.

APPLICATIONS

- Robotics
- Encoders
- Motion Control
- Feedback Cable
- EnDat, Hiperface®, SSI
- Servo Motors

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

PART NO.	COMPOSITE CABLE	JACKET	POWER	DATA	SIGNAL	NOMINAL O.D.	WEIGHT/1000 FT
68916	16/1PR ISP + 24/2PR ISP + 22/5PR ISP	Green (RAL6018)	16 AWG	24 AWG	22 AWG	0.535"	145 LBS

Specifications subject to change. For complete specifications and availability, ask your TPC Sales Representative or call 800-521-7935.