

# Trex-Onics®

Electrical & Electronic Cable



## TPC

A Premier Farnell Company

- Power Cable .....
- VFD .....
- Multi-Conductor & Multi-Pair .....
- Individually Shielded .....
- Retractiles .....
- Flat Festoon .....
- Encoder Resolver Cable .....
- Low Smoke Zero Halogen Cable .....
- Low Capacitance Cable .....
- ControlNet, DeviceNet™ & Ethernet Cable .....



Wire and cable for electronic and electrical industrial applications

Broad and deep inventories mean fast service

Lasts longer to reduce costs and downtime

# Trex-Onics® *Electrical*



## REDUCED DIAMETER POWER CABLE

**2 & 4 AWG – 3 Conductors**

**UL, CSA, FT-1, 600 Volt, 90°C**

*Designed for continuous flex applications. Extra fine stranding for improved flexibility in robotic and cat track applications. Four times the stranding of standard power cable designs. Specially compounded jacket is excellent against tearing, abrasion, oil, ozone and most chemicals. Flex tested to over 6.5 million cycles.*



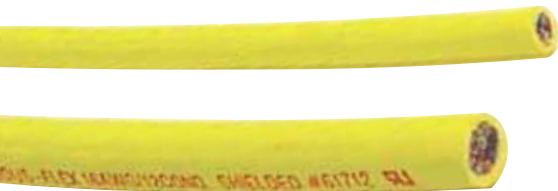
## VARIABLE FREQUENCY DRIVE SHIELDED POWER CABLE

**Corona Resistant to 2000 VAC**

**6 to 14 AWG – 4 Conductors**

**UL, CSA, CE, TC-ER, 1000 Volt, FT-4, 90°C, WTTC**

*100% shielding provides protection from EM and RF interference, which can affect and possibly damage surrounding equipment. Specially compounded jacket is excellent against oil, ozone, UV exposure and most chemicals. Heat and flame resistant. Designed for superior performance in moving applications. Flex tested to over 5 million cycles. Available in 4 conductor configurations and with 1 or 2 16 AWG pairs.*



## SHIELDED CONTROL CABLE

**Overall Shielded Continuous Flex Cable (C-Flex)**

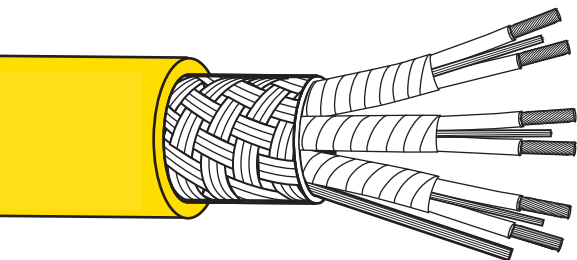
**Exceeded 10 Million Cycles Without Electric Failure**

**16 to 24 AWG – 5 to 25 Conductors or 2 to 12 Pairs**

**UL, CSA, 600 Volt, 90°C, \*MSHA**

*Heavy-duty polyurethane jacket. Resists tearing, abrasion, oil, ozone, UV and most chemicals. Ultra-shield construction provides protection from EM and RF interference in addition to superior mechanical strength in industrial applications. Tefzel 750 insulation. Available in overall shield, multi-pair and overall shielded multi-pair configurations.*

*\*Overall shield and individually shielded multi-pair.*



## 300V INDIVIDUALLY SHIELDED ENCODER/RESOLVER CABLE

**20 to 24 AWG – UL, CSA, 300 Volt, UL 90°C, CSA 80°C**

*Trex-Onics 300 Volt Individually Shielded Encoder/Resolver Cable was designed for encoder/resolver applications in harsh industrial environments. Although designed for encoder and resolvers, the cable design lends itself to multiple industrial applications. Material selection was chosen to provide superior protection against cutting, abrasion, oil and chemicals. The cable design provides 100% shielding protection from EMI and RF interference.*

# & Electronic Cable

ASK ABOUT OUR  
ENGINEERED  
PRODUCTS

## **HI-FLEX ULTRA-COIL™ RETRACTILES** 12 to 18 AWG – 3 to 12 Conductors UL, CSA, 80°C

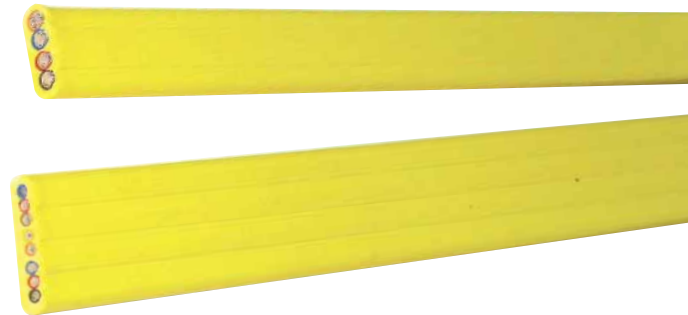
Unique construction provides a very durable yet light weight retractile design. Superior coil retention and "snappiness". Heavy-duty polyurethane jacket is excellent against cutting, abrasion, oil and chemicals. Also available with male or female connectors.



## **FLAT FESTOON CABLE** 12 to 16 AWG – 4, 8 & 12 Conductors 600 Volt, 90°C

Tefzel 750 insulation offers superior resistance to oil, solvents and chemicals. Provides high dielectric capability, mechanical strength and cut resistance. Heavy-duty polyurethane jacket. Finely stranded tinned conductors improve flexibility and extend conductor life.

Also available in PVC construction.



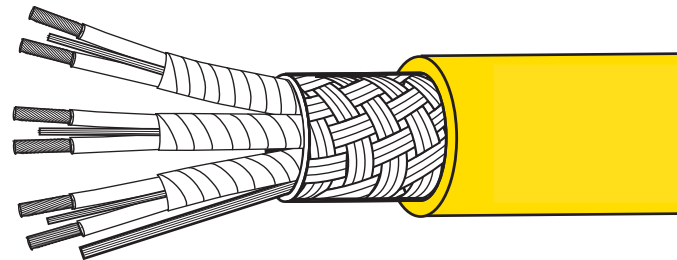
## **LOW SMOKE ZERO HALOGEN CABLES** Shielded and Unshielded Single and Multi-Conductor Configurations UL, CSA, CE, 600 Volt, FT-4, 90°C

TPC Wire & Cable's line of LSZH products produce very little smoke and no corrosive gasses which are typically associated with halogenated cables. They provide increased protection of life and equipment, at the same time they are ideal for applications requiring high performance and long term reliability.



## **COMMUNICATION / INSTRUMENTATION LOW CAPACITANCE CABLE** 24 AWG – UL, 300 Volt

Trex-Onics Low Capacitance Cable has been designed for use in Heavy Duty Industrial environments where a superior Low Capacitance Cable design is required. TPC's Low Capacitance Cable has been designed to provide superior protection against abrasion, oil and chemicals. The cable is also designed to limit capacitance to 13pF/ft and provide 100% shielding protection from EMI and RF interference.



# Trex-Onics®

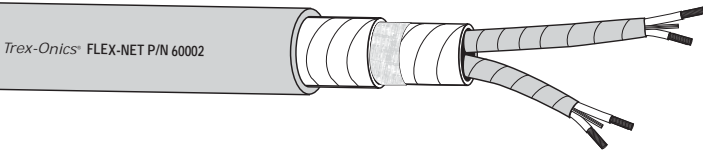
## Electrical & Electronic Cable



### CONTROLNET RG-6U QUAD-SHIELD COAXIAL CABLE

#### **UL Recognized, ODVA Conformity, FT-2**

Trex-Onics ControlNet RG-6U Quad-Shield coaxial cable is designed for use in heavy duty industrial ControlNet applications where a superior cable is required. TPC's RG-6U ControlNet cable is designed for applications requiring flexibility and portability and resisting exposure to oils and chemicals. The Quad-Shield provides protection against RF and EMI noise, and a Polyurethane jacket provides superior protection against cuts and abrasion.



### DEVICENET™ CABLES – THICK AND THIN DESIGNS

#### **UL Recognized, CSA, PLTC Rated, 300 Volt, FT-4 80°C**

Available in Thick Standard or Thick and Thin High performance designs, Trex-Onics DeviceNet cables meet or exceed ODVA standards. The High Performance products are designed to outperform the competition in applications where flexing or movement may be present. Heavy duty Trex-Onics jacket provides excellent protection from abrasion, chemicals, cutting, flame and heat. Products are electrically tested to ODVA standards.



### INDUSTRIAL ETHERNET CAT5E CABLES

#### **TIA/EIA 568-B.2, 300 Volt, FT-4 80°C**

Industrial Ethernet cables are available in shielded and unshielded double jacket designs. The double jacket provides impact protection to the conductors and keeps the lay lengths intact to ensure signal integrity. The specially compounded TPE jacket provides excellent protection against cutting, abrasion, oil and chemicals.



**TPC WIRE & CABLE, CORP.**

A Premier Farnell Company

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