

Trex-Onics® Industrial Ethernet Shielded Horizontal CAT6 Cable

- UV Resistant
- TIA/EIA-568-C-2
- Max Conductor Temp 80°C
- Frequency Range up to 250 MHz
- Cold Temp Rating -30°C
- FT-1 Flame Rating
- ANSI TIA/EIA 568-B
- RoHS Compliant 2002/95/EC
- Halogen-Free Flame Retardant
- IEEE 802.3bt

Trex-Onics® Shielded Horizontal CAT6 cable's classic design starts with finely stranded conductors that provide high flexibility and a longer flex-life. The Ultra-Shield® configuration with its foil shield construction placed around each pair reduces radiated and conducted electrical noise interference. Our jacket is a halogen-free, flame retardant material that provides protection from environmental abuse and offers resistance to cutting, abrasion, oil and chemicals.

FEATURES & BENEFITS

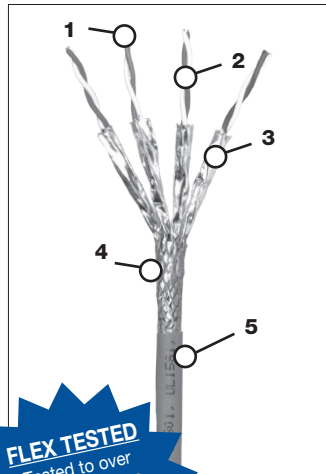
- 1. STRANDED BARE COPPER CONDUCTORS** – Improve flexibility and offer longer flex-life.
- 2. POLYOLEFIN (PO) INSULATION SYSTEM** – Provides excellent dielectric and insulation properties.
- 3. ULTRA-SHIELD® CONFIGURATION BRAID AND ALUMINUM/POLYESTER FOIL SHIELD CONSTRUCTION** – Placed around each pair reduces radiated and conducted electrical noise interference.
- 4. BRAIDED SHIELD WITH DRAIN WIRE**
- 5. HALOGEN-FREE AND FLAME RETARDANT POLYURETHANE JACKET** – Provides protection from environmental abuse and offers resistance to UV light, cutting, abrasion, oil and chemicals.
- 6. COMBINATION OF CELLULAR INSULATION AND SHIELDED PAIRS** – Provides superior electrical performance to meet CAT6 and Ethernet/IP requirements.
- 7. BACKWARD COMPATIBILITY** – Fully interchangeable with CAT5e cables.

SPECIFICATIONS

- Frequency Range: **250 MHz**
- Input Impedance: **100 Ω ± 15 Ω**
- DC Resistance: **15.9 Ω/1000 ft**
- DCR Unbalanced: **2% Max**
- Capacitance: **14.6pF/ft Max**
- Delay (Skew): **20 nsec/100 m Max**
- Velocity of Propagation: **78% Nominal**
- Temperature Range: **- 30°C to +80°C**
- Min. Insulation Resistance: **4 G Ω • Km**
- Min. Bend Radius: **3 Inches**

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

PART NO.	CONDUCTOR SIZE	SHIELDED PAIRS	OVERALL SHIELD	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'
60066	22 AWG (7 x 30)	YES	YES	0.37	78
30805	RJ45 Connector for Large Diameter Cables				



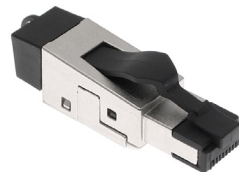
FLEX TESTED
Tested to over
6,500,000
cycles without
electrical failure!

COLOR CODE	
PAIR NO.	COLOR
1	Blue - White / White - Blue
2	Orange - White / White - Orange
3	Green - White / White - Green
4	Brown - White / White - Brown

APPLICATIONS

- Data Processing & Information Systems
- High Bandwidth Digital Applications
- High Data Rate Applications
- High-Power PoE

PART #30805, RJ45 Designed for Large Diameter Ethernet Cables



- Fully shielded and multi-port capable
- Easy assembly - connection without special tools
- Wire connection: stranded wire AWG 27/7 to 22/7
- Wire connection: solid wire AWG 26/1 to 22/1
- Suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus and UPoE) and HDBaseT
- IP20
- Cable jacket diameter from 5.5 to 10.5 mm
- Zinc die-cast housing for industrial use consists of only 2 parts
- Reconnectable

NOTE: *Installation cable voltage rating is 300/600 V. This cable is not intended to be used for main power supply applications.