

Trex-Onics® Industrial Ethernet CAT7A Cable

- ANSI TIA/EIA 568-B
- IEC 60332-1
- Max Conductor Temp 70°C
- Cold Temp Rating -40°C
- Frequency Range up to 1000 MHz
- ISO/IEC 11801
- IEC 61156-6
- RoHS Compliant 2002/95/EC
- Halogen-Free Flame Retardant
- 600 V*
- Abrasion Resistant

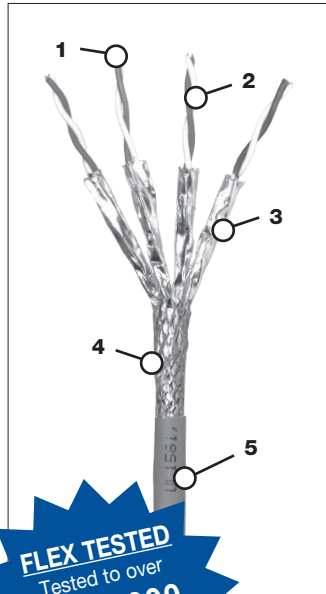
The Trex-Onics® Industrial Ethernet CAT7A cable's classic design starts with finely stranded conductors that provide high flexibility and a longer flex-life. The Ultra-Shield® configuration and shield construction placed around each pair reduces radiated and conducted electrical noise interference. Our 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 AND ALUMINUM/POLYESTER FOIL SHIELD CONSTRUCTION** — Placed around each pair reduces radiated and conducted electrical noise interference.
- 4. BRAIDED SHIELD**
- 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 CAT7A and Ethernet/IP requirements.
- 7. BACKWARD COMPATIBILITY** — Fully interchangeable with CAT5E, CAT6 and CAT6A cables.

SPECIFICATIONS

- Frequency Range: **1,000 MHz**
- Input Impedance: **100 Ω ± 15 Ω**
- DC Resistance: **44.2 Ω/1000 ft**
- DCR Unbalanced: **2% Max**
- Capacitance Unbalanced: **0.36pF/ft Max**
- Dielectric Strength: **500 V / Minute**
- Dielectric Strength to Shield: **500 V / Minute**
- Delay (Skew): **20 nsec/100 m Max**
- Velocity of Propagation: **78% Nominal**
- Temperature Range: **- 40°C to +70°C**
- Tensile Strength (Short Term): **33.7 Lbs Max**
- Min. Insulation Resistance: **5 G Ω • Km**
- Min. Bend Radius: **2.1 Inches**



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

APPLICATIONS

- Data Processing & Information Systems
- High Bandwidth Digital Applications
- High Data Rate Applications
- Patch Cord / Work Area

PART #30808, RJ45 For 40G Bit Ethernet



- CAT8.1 (2000 MHz)
- CAT7A (1000MHz)
- 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 40GBASE-T 40 GBit Ethernet (IEEE 802.3bq), Remote Powering (PoE, PoE plus, UPoE and 4PPoE) and HDBaseT
- IP20
- Operating Temperature -40°C to +85°C
- Cable jacket diameter from 5.5 to 10.5 mm
- Zinc die-cast housing for industrial use consists of only 2 parts

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

PART NO.	CONDUCTOR SIZE	NOM. INSUL. WALL (IN)	OVERALL SHIELD	JACKET WALL (IN)	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'
60067	26 AWG (7 x 0.0063")	0.010	YES	0.039	0.260	51
30808	RJ45 for 40G Bit Ethernet					

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