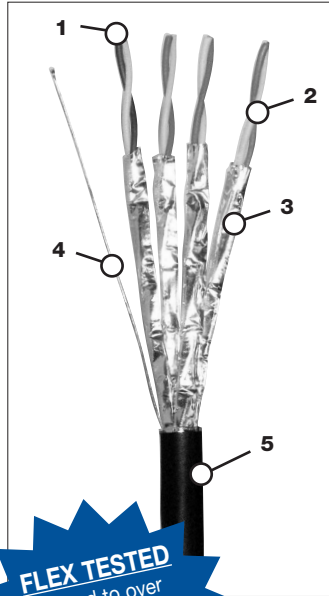


Trex-Onics® Industrial Ethernet CAT6A Cable

- IEC 60332-1
- ISO/IEC 11801
- 300 V
- Max Conductor Temp 65°C
- Cold Temp Rating -30°C
- IEC 61156-6
- RoHS Compliant
- Halogen-Free Flame Retardant
- Frequency Range up to 500 MHz

This Industrial Ethernet CAT6A cable is built for performance. The halogen-free and flame retardant jacket provides protection from environmental abuse and offers resistance to UV light, cutting, abrasion, oil and chemicals. Our combination of cellular insulation and shielded pairs provides superior performance to meet or exceed CAT6A and Ethernet/IP requirements.



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

FEATURES & BENEFITS

- 1. STRANDED BARE COPPER CONDUCTORS** — Improve flexibility and offer longer flex life.
- 2. CELLULAR POLYOLEFIN INSULATION** — Provides excellent dielectric and insulation properties.
- 3. ALUMINUM/POLYESTER FOIL SHIELD** — Around each pair reduces electrical noise interference.
- 4. 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 CAT6A and Ethernet/IP requirements.
- 7. BACKWARD COMPATIBILITY** — Fully interchangeable with CAT5E, CAT6 and CAT6A cables.

APPLICATIONS

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

SPECIFICATIONS

- Voltage Rating: **300 Volts**
- Frequency Range: **500 MHz**
- Input Impedance: **100 Ω ± 15 Ω**
- DC Resistance: **44.2 Ω/1000 ft**
- DCR Unbalanced: **2% Max**
- Capacitance Unbalanced: **0.36Pf/ft Max**
- Delay (Skew): **30 nsec/100 m Max**
- Velocity of Propagation: **78% Nominal**
- Temperature Range: **- 30°C to +65°C**
- Tensile Strength (Short Term): **22 Lbs Max**

ELECTRICAL SPECIFICATIONS

FREQ (MHz)	ATTENUATION (dB/100m)	PS NEXT LOSS (dB)	NEXT LOSS (dB)	PS ANEXT (dB)	ELFEXT (dB)	PS ELFEXT (dB)	RL (dB)
1	3.1	72.3	75.3	67.0	68.0	65.0	20.0
4	5.8	63.3	66.3	67.0	56.0	53.0	23.0
10	9.0	57.3	60.3	67.0	48.0	45.0	25.0
20	12.8	52.8	55.8	67.0	42.0	39.0	25.0
30	15.8	50.1	53.1	67.0	38.4	35.4	23.8
100	29.9	42.3	45.3	62.5	28.0	25.0	21.1
150	37.4	39.7	42.7	59.8	24.5	21.5	18.8
200	43.8	37.8	40.8	58.0	22.0	19.0	18.0
250	49.7	36.3	39.3	56.5	20.0	17.0	17.3
300	55.1	35.1	38.1	55.3	18.5	15.5	17.3
400	65.1	33.3	36.3	53.4	16.0	13.0	17.3
500	74.0	31.8	34.8	52.0	14.0	11.0	17.3

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

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'
60062	26 AWG (7 x 0.0063")	0.010	NO	0.039	0.275	29

Portable Cords
 Power Cables (600 Volt to 35 KV)
 Welding Cables
 VFD/Servo Motor Cables
 Reeling Cables
 Control Cables/Instrumentation
 Bus Cables
 Flat-estoon Cables
 Retractable Coil Cables
 Chemical & Temp-Resistant Cables
 High Temperature Cables
 Igniter Cables
 Thermocouple Extension Wires
 Engineered Custom Cables