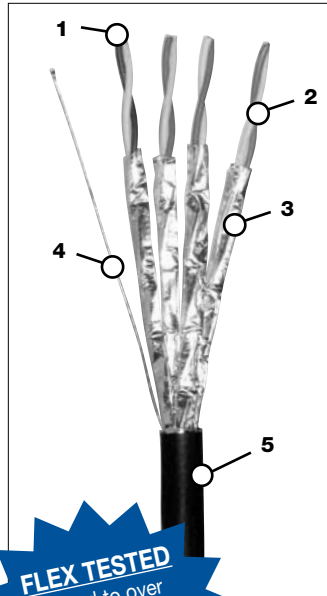


Trex-Onics® Industrial Ethernet CAT6A Cable

• IEC 60332-1 • IEC 61156 • ISO/IEC 11801 • RoHS Compliant • 300 V • Halogen-Free • 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
4,500,000
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.

APPLICATIONS

- Data Processing & Information Systems
- High Data Rate Applications
- High Bandwidth Digital 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 (Call for pricing & availability)

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 0.0067")	0.010	NO	0.039	0.275	27