

Bus/Data

Trex-Onics® High Flex Single Pair Ethernet Cable

Trex-Onics® High Flex Single Pair Ethernet Cable is engineered for continuous motion and demanding flex applications, delivering dependable connectivity over distances up to 40 meters. Its durable construction resists mechanical stress, making it ideal for cable carriers, robotics, and dynamic automation environments.

This ethernet cable features Ultra-Shield construction, which includes a heavy-duty combination of tinned copper braid, foil shield, and tinned drain wire providing 100% protection from electromagnetic and radio frequency interference. The halogen-free, flame-retardant polyurethane jacket provides protection against cutting, abrasion, oil, and most chemicals.

Ratings

 600V Max Conductor Temperature 90°C Cold Temperature Rating -40°C IEC 61156 IEC 61156-12 ISO/IEC 11801-1 IEC 60754-1/2 IEC 61034-1/2

Performance Characteristics

✓ UV Resistant

✓ Halogen-Free Flame Retardant

✓ Frequency Bandwidth: 1.25 GHz

✓ Data Rate (40 meters): 1 Gbps

✓ Bend Radius (Static): 6x Cable O.D.

✓ Bend Radius (Dynamic): 8x Cable O.D.

✓ Max Run Distance: Up to 40 Meters (131 Feet)

Engineered to Resist

 Flexing

 Abrasion

 Chemicals

Features & Benefits

Finely Stranded Copper Conductors

Fine stranding improves flex-life and reduces conductor fatigue and breakage.

Specially Compounded XLPE Insulation

Provides excellent dielectric and insulation properties.

Ultra-Shield Tinned Copper Braid Shield Plus Aluminum/Polyester Foil Shield Construction

Provides 100% protection against EM and RF interference and a low impedance path to ground.

Specially Compounded Halogen-Free Flame-Retardant Polyurethane Jacket

Offers superior first-line defense against tearing, abrasion, impact, oil, ozone and most chemicals.

Ordering Information

For complete product ordering information, please scan the QR Code or contact your ATPC sales representative

Part No.	Configuration AWG/Cond	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland*
60071	22AWG/1 pair	0.24	27	55001

