

Bus/Data

Trex-Onics® High Flex PROFINET

Trex-Onics® High Flex PROFINET is an industrial ethernet cable suitable for use in bus systems where a more robust cable is required and is designed specifically for applications where continuous flexing or motion control exists. 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 TPE jacket provides protection from environmental abuse and offers resistance to cutting, abrasion, oil and chemicals.



Ratings



600V

Max Conductor Temperature 80°C

Type PLTC

Type ITC

Type CM

Type CMX

AWM Style 2463

ANSI/TIA-568-C2: Category 5e Transmission

ISO/IEC 11801: Category 5 Transmission

Suitable for Class I, Division 1**

Performance Characteristics

- ✓ Sunlight Resistant
- ✓ Oil Resistant
- ✓ Bend Radius (Static): 6x Cable O.D.
- ✓ Bend Radius (Dynamic): 8x Cable O.D.
- ✓ Max Run Distance: Up to 100 Meters (328 Feet)

Engineered to Resist



Flexing



Abrasion



Chemicals

Features & Benefits

Finely Stranded Tinned Copper Conductors

Fine stranding improves flex-life and reduces conductor fatigue and breakage. Tinned conductors resist corrosion and are easier to solder.

Specially Compounded High-Density Polyethylene (HDPE) Insulation System

Provides excellent dielectric and insulation properties that meet CAT5E requirements at 100m.

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. Protects equipment and motor damage from electrical noise and "stray voltage".

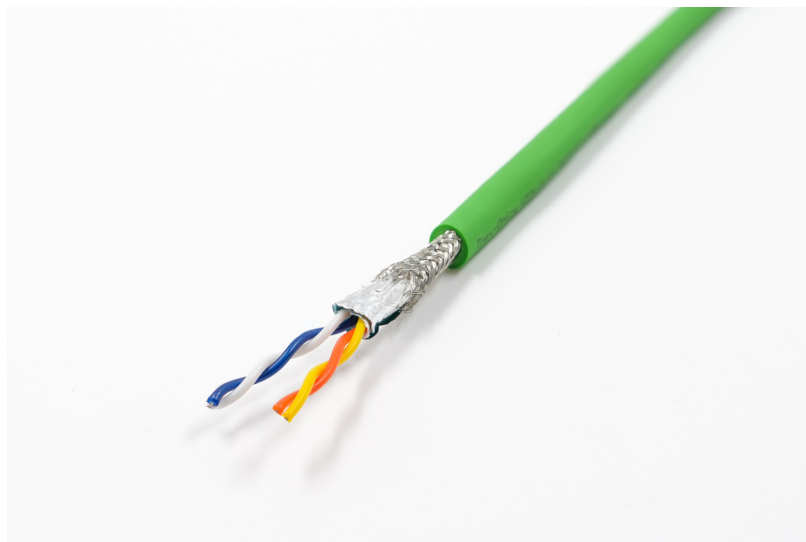
Specially Compounded Green TPE Jacket

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 TPC sales representative

Part No.	Configuration AWG/Cond	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland*
60061	22/2 PR	0.310	46	55002



Notes

*Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.

**Installation cable voltage is 300V-PLTC, 300V-ITC, or 600V-AWM 2463.

***When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140.