

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 Low Temperature Rating -40°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 2***

Performance Characteristics

- ✓ Oil Resistant II ✓ Sunlight Resistant ✓ Frequency Bandwidth: 100 MHz ✓ Data Rate (100 meters): 1 Gbps
- ✓ Abrasion: 75 cycles/1.5 lb. Load per UL 2556 ✓ Flex Life Torsional: 3 million cycles +/-180°
- ✓ Flex Life Cable-Chain: 35 million cycles, 5-inch bend radius ✓ Bend Radius (Static): 6x Cable O.D.
- ✓ Bend Radius (Dynamic): 8x Cable O.D.

Engineered to Resist

- Flexing
- Abrasion
- Chemicals

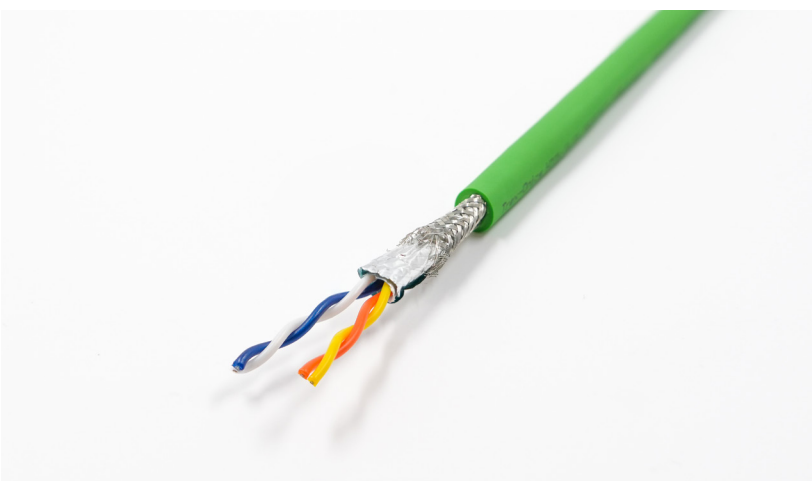
Features & Benefits

<p>Finely Stranded Tinned Copper Conductors</p> <p>Fine stranding improves flex-life and reduces conductor fatigue and breakage. Tinned conductors resist corrosion and are easier to solder.</p>	<p>Specially Compounded High-Density Polyethylene (HDPE) Insulation System</p> <p>Provides excellent dielectric and insulation properties that meet CAT5E requirements at 100m.</p>	<p>Ultra-Shield Tinned Copper Braid Shield Plus Aluminum/Polyester Foil Shield Construction</p> <p>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".</p>	<p>Specially Compounded Green TPE Jacket</p> <p>Offers superior first-line defense against tearing, abrasion, impact, oil, ozone and most chemicals.</p>
--	--	--	---

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*
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.