

Bus/Data

Hy-Trex® CAT5E Profinet Cable

Hy-Trex® CAT5E Profinet is a communication cable designed for flexible installations and special applications. It allows for movement and dynamic environments that consist of motion and vibration. This communication cable features conductors insulated with High-Density Polyethylene (HDPE) and is jacketed with an extruded TPE jacket. Rated for Type B and C Profinet applications.



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 2**

Performance Characteristics

- ✓ Cold Bend: -40°C
- ✓ 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



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.

75% Coverage Tinned Copper Braid Shield Plus Aluminum/Polyester Foil Shield Construction

Provides 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 ATPC sales representative

Part No.	Configuration AWG/Cond	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland*
PN150-022-2UTP-SFB	22 AWG / 2 PR	0.310	46	55003



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.

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