

Motion Control

Trex-Onics® Hybrid Motor Cable

Trex-Onics® Hybrid Motor Cable is built to withstand the harsh industrial environments in which many motors operate. This single-cable solution combines traditional power and signal pair conductors with the data element of dedicated encoder cables. The convergence of multiple roles into a single-cable solution greatly simplifies inventory management, installation, and maintenance. This composite cable features finely stranded tinned copper conductors that extend conductor life in dynamic applications. The oil-resistant insulation system offers high dielectric, tensile, and mechanical properties.



Ratings



600V

Max Conductor Temperature 70°C

Cold Temperature Rating -40°C

ANSI TIA/EIA 568-B

IEC 60332-1

ISO/IEC 11801

IEC 61156-6

Performance Characteristics

✓ Bend Radius (Static): 6x Cable O.D. ✓ Bend Radius (Dynamic): 8x Cable O.D. ✓ Frequency Range up to 1000 MHz

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.

Oil Resistant Composite Insulation System

High dielectric, tensile and mechanical properties. Designed with a semi-conductive layer to protect against Corona discharge build up from voltage spikes during operation. Prevents damage to motor and controllers.

Low-Friction, Non-Wicking Fillers

Increase flexibility and flex-life in dynamic applications.

Brake Pair Shielding

Braid shield for maximum flex-life and signal integrity. greater protection from impact.

Heavy-Duty 85% Coverage Tinned Copper Braid Shield

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". Designed for superior performance in dynamic applications.

Specially Compounded TPE Jacket

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

Ethernet Backward Compatibility

Fully interchangeable with CAT6A and CAT5e shielded cables.

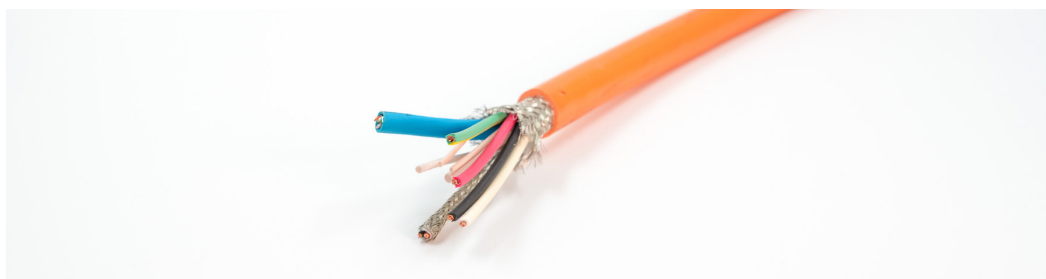
Hybrid M23 Connector Compatibility

Over molded capability in custom lengths – a single-connector and single-cable solution.

Ordering Information

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

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
62268	16/4 + 18 AWG/pr + CAT7A	9	0.614	231	55006
62262	12/4 + 18 AWG/pr + CAT7A	15	0.684	360	55007



Notes

*Based on NEC Article 725.51(B)(1)

**Crip-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.