

Motion Control

Trex-Onics® Servo-Motor Cable

Trex-Onics® Servo Motor Cable is a high-quality motion control cable designed for superior performance in continuous flex and static applications and is your high-performance OEM replacement for Rockwell/Allen-Bradley, Bosch Rexroth, Indramat, Kollmorgen, Siemens, Lenze, and Mitsubishi Drive Systems. This power cable features finely stranded tinned copper conductors that extend conductor life in dynamic applications and are alpha-numerically marked for ease of identification. The oil-resistant insulation system offers high dielectric, tensile, and mechanical properties. A heavy-duty tinned copper braid protects equipment and motors from damage caused by electrical noise and 'stray voltage'. It also provides a shield against electromagnetic and radio frequency interference and a low impedance path to ground.



Ratings



600V

Max Conductor Temperature 80°C

Cold Temperature Rating -40°C

AWM Style 20626

FT 1 Flame Rating

Performance Characteristics

✓ Bend Radius (Static): 6x Cable O.D. ✓ Bend Radius (Dynamic): 8x Cable O.D.

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 TPE Insulation

Resists effects of lubricating oils, coolants, cutting oils, acids, and most chemicals.

Brake and Signal Pair Shielding

Aluminum/Mylar foil shield for maximum flex-life and signal integrity.

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 Orange 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	Brake/Signal Pairs (AWG/No. Pairs)	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
6002181	18/4	20/1	11	0.365	92	55003
6002182	18/4	20/2	11	0.415	112	55004
6002161	16/4	20/1	13	0.390	105	55003
6002162	16/4	20/2	13	0.440	127	55004



Notes

*Based on three current-carrying conductors in conduit, 80°C conductor temperature, 40°C ambient temperature per IEEE Std 835.

**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.