

## Motion Control

# Trex-Onics® Low Capacitance VFD Shielded Power Cable

Trex-Onics® Low Capacitance VFD Shielded Power Cable is designed for superior performance. 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. 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.



## Ratings



Type TC-ER - 600V

1000V (CSA)

Max Conductor Temperature 90°C

Cold Temperature Rating -20°C

Type TC-ER

FT4 Flame Rating

Suitable for Class I, II, Division 2\*\*\*

## Performance Characteristics

- ✓ Sunlight Resistant
- ✓ Oil Resistant
- ✓ Corona Resistant to 2000V
- ✓ Bend Radius (Static): 6x Cable O.D.
- ✓ Bend Radius (Dynamic): 8x Cable O.D.

## Engineered to Resist



Flexing



Abrasion



Chemicals

## Features &amp; 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.

### XLPE Insulation System

High dielectric, tensile, and mechanical properties. Designed to support unique electrical requirements of VFD systems.

### Low-Friction, Non-Wicking Fillers

Increase flexibility and flex-life in dynamic applications.

### Heavy-Duty 95% 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 Security Yellow 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	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
60040LC	16/4	18	0.563	181	55006
60041LC	14/4	25	0.588	210	55006
60042LC	12/4	30	0.656	276	55007
60043LC	10/4	40	0.710	350	55008
60044LC	8/4	55	0.926	580	55012
60045LC	6/4	75	0.986	735	55012
60046LC	4/4	95	1.107	1010	55012



## Notes

\*Ambient temperature of 30°C, conductor temperature of 90°C, not more than three current-carrying conductors. Based on NEC, Table 310.15(B)(16).

\*\*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.