

Control/Instrumentation

Trex-Onics® Low Capacitance Communication/ Instrumentation Cable

Trex-Onics® High-Flex Low Capacitance 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. This cable is designed for use in heavy-duty industrial digital communication and instrumentation applications.

This control and instrumentation cable features TPE insulation and a purple TPE jacket. This flexible cable shows superior resistance against abrasion, tearing, oil, UV, and most chemicals. Solid insulation on individual conductors limits capacitance to 13pF/ft.



Ratings



300V

Max Conductor Temperature 80°C

VW-1 Flame Rating

EIA RS-232/422/485

Performance Characteristics

✓ Bend Radius (Static): 6x Cable O.D. ✓ Bend Radius (Dynamic): 8x Cable O.D. ✓ Capacitance: Cond-Cond: 13pF/ft.

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.

Solid Insulation on Individual Conductors

Solid insulation on individual conductors provides dielectric constant to maintain a low capacitance value between conductors and maximize flex-life.

Ultra-Shield Tinned Copper Braid Shield Plus Aluminum/Polyester Foil Shield Construction

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".

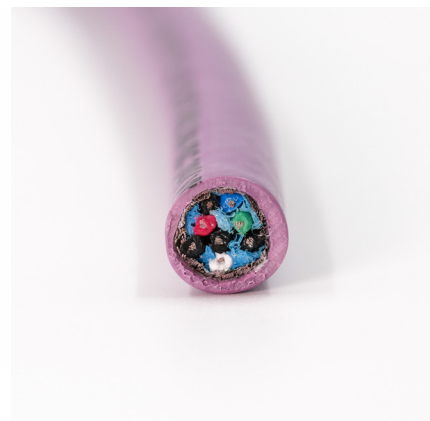
Specially Compounded Purple TPE Jacket

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	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
68902	24/2 PR	1.6	0.335	58	55002
68903	24/3 PR	1.4	0.335	62	55002
68904	24/4 PR	1.4	0.365	72	55002
68906	24/6 PR	1.4	0.435	99	55004
68909	24/9 PR	1.4	0.470	118	55004
68910	24/10 PR	1	0.490	128	55004
68912	24/12 PR	1	0.515	142	55006



Notes

*Ampacities are based on 30°C ambient and 90°C conductor temperature. These values are to be used as a guideline and may vary according to the actual cable application.

**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.