

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

Cold Temperature Rating -20°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 ATPC 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.

\*\*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.