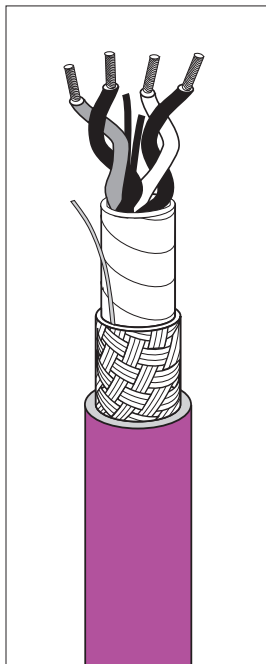


NEW PRODUCTS



Trex-Onics® High-Flex Low Capacitance Communication / Instrumentation Cable

- UL Listed
- EIA RS-232/422/485
- Max Conductor Temp 80°C
- 13pF/ft.
- RoHS Compliant
- VW-1
- Type CM
- Type CL2
- 300V

Designed for use in heavy-duty industrial digital communication and instrumentation applications, Trex-Onics® Low Capacitance Cable gives superior protection against oil, chemicals and abrasion, plus capacitance limited to 13pF/ft. 100% shielding from EMI and RF interference.

FEATURES & BENEFITS

1. FINELY STRANDED TINNED COPPER CONDUCTORS

— Finely stranded copper conductors improve flexibility, mechanical strength, and chemical resistance.

2. SOLID INSULATION ON INDIVIDUAL CONDUCTORS

— Insulation on individual conductors provides a low dielectric constant to maintain a low capacitance value between conductors and maximize flex-life

3. HEAVY-DUTY COMBINATION OF TINNED COPPER BRAID AND ALUMINUM/POLYESTER FOIL SHIELD

— Combination of tinned copper braid and aluminum/polyester foil shield provides 100% shielding protection from EM and RF interference. Finely stranded braid provides superior flexibility and mechanical strength.

4. TREX-ONICS TPE JACKET — Provides excellent protection against cutting, abrasion, oil and chemicals.

5. COLOR CODED PURPLE FOR BUS CABLE APPLICATIONS

APPLICATIONS

- Tachometers
- Computers
- Control Circuits
- Instrumentation
- High Speed Digital/ Analog Communications
- Encoders/Resolvers

ENVIRONMENTS

- Abrasion
- Chemicals

ELECTRICAL CHARACTERISTICS

- **Capacitance:** 13.0 pF/Ft @ 1 MHz – COND - COND
24.0 pF/Ft @ 1 MHz – COND - SHLD
- **DC Resistance:** 26.9 Ohms/1000 Ft @ 20°C Nominal
- **Voltage:** 300 Volts
- **Characteristic Impedance:** 120 Ohms ± 16 Ohms
- **Propagation Delay:** 2.26 nsec/Ft (Max)

COLOR CODE			
PAIR NO.	COLOR	PAIR NO.	COLOR
1	Black - Red	7	Black - Orange
2	Black - White	8	Red - White
3	Black - Green	9	Red - Green
4	Black - Blue	10	Red - Blue
5	Black - Yellow	11	Red - Yellow
6	Black - Brown	12	Red - Brown

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.	CABLE AWG/NO. PAIRS	CONDUCTOR STRANDING	AMPACITY ¹	DRAIN WIRE	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'
68902	24/2	19/36	1.6	24 AWG	0.335	58
68903	24/3	19/36	1.4	24 AWG	0.335	62
68904	24/4	19/36	1.4	24 AWG	0.365	72
68906	24/6	19/36	1.4	24 AWG	0.435	99
68909	24/9	19/36	1.4	24 AWG	0.470	118
68910	24/10	19/36	1.0	24 AWG	0.490	128
68912	24/12	19/36	1.0	24 AWG	0.515	142

