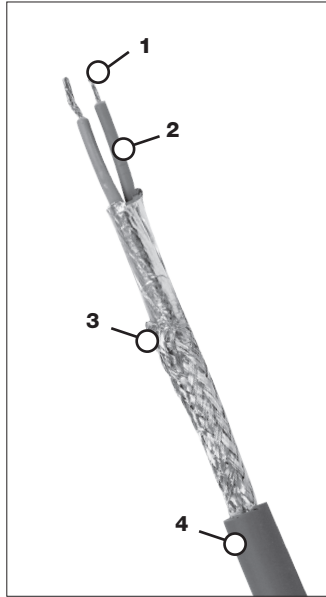


# Trex-Onics® Profibus DP Type A Festoon/Trailing Cable

- UL Recognized in the U.S. and Canada
- RoHS Compliant
- Max Conductor Temp 80°C
- Cold Temp Rating -40°C
- 30 V

Trex-Onics® PROFIBUS Cable is designed for industrial festoon applications where flexibility, oil and chemical resistance, and protection against cuts and abrasion are required. A heavy-duty polyurethane jacket extends overall cable life. -40°C to +80°C, 30 Volts



## FEATURES & BENEFITS

### 1. FINELY STRANDED TINNED COPPER CONDUCTORS

— Finely stranded tinned copper conductors resist corrosion, improves flexibility and helps reduce conductor fatigue and breakage in flexing applications.

**2. SOLID INSULATION** — Conductors are insulated with solid High-Density Polyethylene (HDPE). Solid HDPE insulation provides a low dielectric constant, excellent electrical characteristics and improved signal integrity.

### 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. The finely stranded braid provides superior flexibility and mechanical strength.

**4. HEAVY-DUTY POLYURETHANE JACKET** — Provides excellent protection against cutting, abrasion, oil and chemicals, extending the overall cable life. Color coded purple for bus cable applications.

## APPLICATIONS

- Process Automation Systems
- Crane Festoon Systems

## SPECIFICATIONS

- Temperature Range: **-40°C to +80°C**
- Voltage: **30 Volts**
- Velocity of Propagation: **78% Nominal**
- Impedance: **122.1 Ohms Differential; 78.8 Ohms Single-Ended**
- Capacitance: **10.7 pF/ft Mutual; 16.5 pF/ft Single-Ended**

## ELECTRICAL SPECIFICATIONS

ATTENUATION	
FREQUENCY (MHz)	dB/100 Feet (NOMINAL)
4	0.95
16	1.92
100	4.94
300	8.87
500	11.73

**FLEX TESTED**  
Tested to over  
**1,000,000**  
cycles without  
electrical failure!

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

PART NO.	CONDUCTOR SIZE	CONDUCTOR STRANDING	NOMINAL DIAMETER (IN)	WEIGHT (LBS) / 1000 FT
60092	23 AWG	21/36	0.327	46