

Control/Instrumentation

Trex-Onics® Multi-Pair Control Cable

Trex-Onics® Multi-Pair Control Cable is designed for industrial cat tracks, reeling, drop pendants, and robotics and this flexible cable shows superior resistance against abrasion, tearing, oil, UV, and most chemicals.

This control and instrumentation cable features FEP insulation and a heavy-duty security yellow polyurethane jacket. It also 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.

**Ratings**

600V

Max Conductor Temperature 105°C

AWM Style 20952

FT1 Flame Rating

VW-1 Flame Rating

Cold Temperature Rating -40°C

Performance Characteristics

✓ Bend Radius (Static): 6x Cable O.D. ✓ Bend Radius (Dynamic): 8x Cable O.D.

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.

Specially Compounded Fluoropolymer Insulation

High dielectric, tensile, and mechanical properties. Offers superior resistance to lubricating oils, coolants, cutting oils, acids, and most chemicals.

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 Security Yellow TPU Jacket

Offers superior first-line defense against tearing, abrasion, impact, oil, ozone, UV exposure, and most chemicals. Flame and heat resistant. Extreme all-weather flexibility.

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**
66424	24/4 PR	7	0.305	53	55003
66312	20/12 PR	8	0.600	225	55006
66309	20/9 PR	8	0.530	172	55006
66306	20/6 PR	11	0.450	130	55004
66303	20/3 PR	11	0.335	70	55003
66302	20/2 PR	13	0.335	66	55003
66212	18/12 PR	6	0.670	298	55007
66209	18/9 PR	7	0.610	240	55006
66206	18/6 PR	7	0.510	175	55006
66204	18/4 PR	9	0.420	110	55004
66203	18/3 PR	11	0.380	93	55004
66202	18/2 PR	14	0.380	88	55004
66101	16/1 PR	18	0.265	56	55003
66001	14/1 PR	25	0.300	70	55003

**Notes**

*Based on an ambient temperature of 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.