

Control/Instrumentation

Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable

Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable is designed for industrial applications that require continuous flexing. This control and instrumentation cable features TPE insulation and overwrap, a heavy-duty tinned copper braid, and a security yellow polyurethane jacket. This flexible cable shows superior resistance against abrasion, tearing, oil, UV, and most chemicals.



Performance Characteristics ✓ Operating Temperature Range -40°C to 105°C ✓ 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 TPE Insulation

Resists effects of lubricating oils, coolants, cutting oils, acids, and most chemicals.

TPE Over-Wrap

Acts as a flex-facilitator, allowing the conductors to slide smoothly under the braid shield in dynamic applications. Protects the conductors from abrasion, improving flex life.

Heavy-Duty 85% Coverage Tinned Copper Braid Shield

Provides protection against EM and RF interference and a low impedance path to ground. Protects equipment and motor damage from electrical noise and "stray voltage". Designed for superior performance in dynamic applications.

Non-Woven Polyester Tape Separator

Improves flexibility, allows the conductor bundle to move easily within the jacket for longer flex life.

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 TPC sales representative

Part No.	Configuration AWG/Cond	Ampacity*	Nominal O.D. (in)	W.T. (lbs) Per 1,000 ft.	Standard Cable Gland**
61609	24/9	1.4	0.300	51	55003
61606	24/6	1.6	0.255	41	55001
61604	24/4	1.6	0.225	32	55001
61602	24/2	2	0.210	28	55001
61526	20/26	2.2	0.500	196	55005
61524	20/24	2.2	0.495	192	55004
61518	20/18	2.5	0.430	148	55004
61512	20/12	2.5	0.375	110	55002
61509	20/9	3.5	0.360	89	55002
61506	20/6	4	0.290	68	55003
61502	20/2	5	0.235	40	55001
61465	18/65	4.9	0.980	628	55010
61449	18/49	4.9	0.875	496	55009
61433	18/33	5.6	0.615	322	55006
61424	18/24	6.3	0.560	265	55004
61418	18/18	7	0.485	210	55004
61412	18/12	7	0.415	145	55002
61409	18/9	9.8	0.400	110	55002
61406	18/6	11.2	0.320	88	55003
61404	18/4	11.2	0.280	58	55003
61403	18/3	14	0.265	54	55001
61402	18/2	14	0.250	50	55001
61731	16/31	7.2	0.655	412	55006
61725	16/25	8	0.640	360	55006
61719	16/19	9	0.575	286	55005
61712	16/12	9	0.465	185	55004
61709	16/9	12.6	0.435	158	55004
61705	16/5	14.4	0.360	110	55002
61703	16/3	18	0.290	85	55003
61340	14/10	12.5	0.515	260	55005



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.