Control/Instrumentation

Thermo-Trex® 2000 Shielded Multi-Conductor and Multi-Pair Cable

Thermo-Trex® 2000 Shielded Cable is a high-temperature resistant cable for power and control applications that can withstand a maximum conductor temperature of 450°C / 850°F. This flexible control and instrumentation cable features finely stranded, nickel-plated copper conductors, nickel plated copper braid shield and a specially woven glass-braid jacket impregnated with abrasion-resistant finishing compounds.

Ratings RoHS compliant | 600V | Max Conductor Temperature 450°C | Cold Temperature Rating -40°C | AWM Style 5107 | VW-1 Flame Rating

Performance Characteristics ✓ Bend Radius (Static): 8x Cable O.D. ✓ Bend Radius (Dynamic): 10x Cable O.D.

Engineered to Resist Flexing | High Temperature | Cold Temperature

Features & Benefits

Finely Stranded Nickel-Plated Copper Conductors

Fine stranding improves flex-life and reduces conductor fatigue and breakage. Nickel-plated conductors allow for high heat resistance.

Multi-Layered Mica/Glass Braid Insulation

Provides abrasion and heat resistance as well as conductor identification.

Heavy-Duty 90% Coverage Nickel-Plated Copper Braid Shield

Nickel-plated copper braid shield with drain wire and spiral-wrapped Mica/glass tape. 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".

Specially Designed Fiberglass Braid Jacket

Braided fiberglass jacket impregnated with high-temp finishing compounds to prevent fraying. Provides first line defense against abrasion and high heat.

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**
Multi-Conductor Cables					
41310	18/3	21	0.302	73	55001
41311	18/4	21	0.330	89	55002
41313	18/8	14	0.434	151	55004
41314	18/12	10	0.527	197	55005
41317	16/3	31	0.328	92	55002
41318	16/4	31	0.364	118	55002
41320	16/8	21	0.474	195	55004
41322	16/12	15	0.577	256	55005
41325	14/4	41	0.400	153	55004
41327	14/8	28	0.524	254	55005
41329	14/12	20	0.639	335	55006
41332	12/4	55	0.439	204	55004
41334	12/8	38	0.577	339	55006
41337	10/4	74	0.564	319	55006
Multi-Pair Cables					
41360	18/2pr	21	0.503	168	55005
41361	18/3pr	18	0.535	191	55005
41362	18/4pr	14	0.588	262	55005
41367	20/3pr	12	0.528	175	55005
41369	20/6pr	7	0.679	296	55007
41373	22/3pr	8	0.505	154	55006
41374	22/4pr	7	0.555	190	55006
41378	24/2pr	8	0.449	111	55004
41379	24/3pr	8	0.477	139	55004

Notes

**Ampacity based on an ambient temperature of 40ºC and conductor temperature of 450ºC per the IEEE Standard 835 Power Cable Ampacity Table*

***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.*