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 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 ATPC 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.*