

Control/Instrumentation

Thermo-Trex® 600-Plus Silicone Cable

Thermo-Trex® 600-Plus Silicone Cable is a high-temperature cable for power and control applications that can withstand a maximum conductor temperature of 200°C / 392°F. Thermo-Trex 600-Plus also features a smaller diameter than traditional silicone jacketed cables to be used in areas with restricted space. This flexible control and instrumentation cable features finely stranded nickel-plated copper conductors and a silicone jacket. It is ideal for use in industrial applications where exposures to high temperatures and where oils, coolants, water and grease are prevalent.

Ratings



600V

Max Conductor Temperature 200°C

Cold Temperature Rating -40°C

AWM Style 4389

CSA Class I/II Group A/B 200C

FT2 Flame Rating

Performance Characteristics

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

Engineered to Resist



Flexing



High Temperature



Cold Temperature



Chemicals

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.

Specially Compounded Fluoropolymer Insulation

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

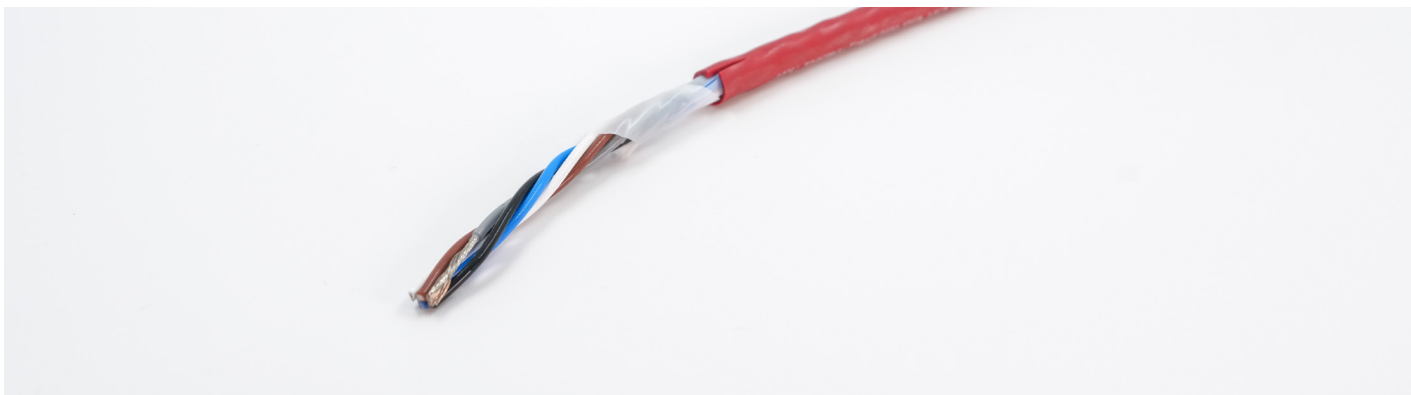
Specially Compounded Chemical Resistant Silicone Jacket

Resistant to oils and many industrial fluids. Offers high performance in both high and low temperature applications, remaining flexible down to -40°C.

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**
41683	18/3	21	0.256	44	55001
41684	18/4	21	0.275	53	55001
41685	18/5	16	0.297	62	55001



Notes

*Ampacity is based on ambient temperature of 40°C and conductor temperature of 200°C 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.