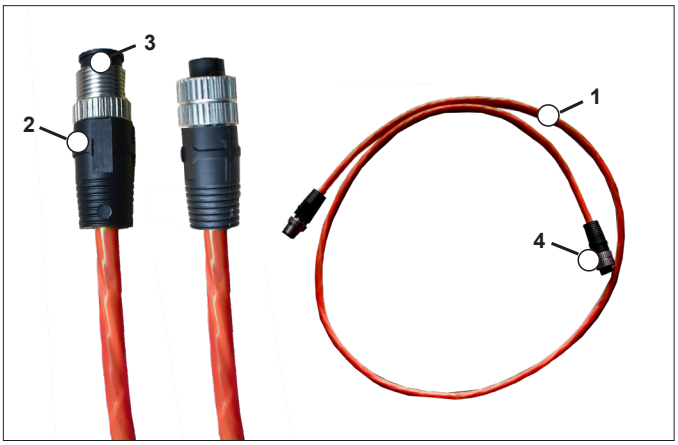
High Temperature M12 DC Micro Quick-Connects™ with Thermo-Trex 600-Plus High Temperature Silicone Cable

• Max Conductor Temperature 200°C for both the connector and the cable • Straight and 90 degree configurations

Quick-Connects™ make replacement of electrical and electronic control devices quick and easy. Plug sets are made with Thermo-Trex® 600-Plus High Temperature 200°C Silicone Cable, offering excellent resistance to moisture, oils, lubricants and industrial chemicals. The fine stranding provides all-weather flexibility in dynamic applications and longer conductor life.

The molded and keyed high temperature cord set provides rapid and secure connect and disconnect and ensures a water, oil and dust tight seal.



CONDUCTOR COLOR CODE			
Conductor No.	**18AWG / 3C No. 41683**	**18AWG / 4C No. 41684**	**18AWG / 5C No. 41685**
1	Brown	Brown	Brown
2	Blue	White	White
3	Black	Blue	Blue
4		Black	Black
5			Gray

APPLICATIONS

- Instrumentation & Control
- I/O Devices
- Load Cell Monitors
- Robotic machinery
- Heat Pressure and Flow Meters
- Limit & Proximity Switches
- Sensors & Relays
- Valves & Meters
- Monitors
- Lighting

FEATURES & BENEFITS

1. PLUG SETS ARE MADE WITH THERMO-TREX 600-PLUS SILICONE CABLE — Rated 200°C for high heat resistance, this cable also has superior resistance to oils, lubricants and common industrial chemicals. Extreme all-weather flexibility.

2. PLUG BODY IS SPECIALLY COMPOUNDED HIGH HEAT RESISTANT ELASTOMER — Provides long life and 200°C heat resistance and protection against oils and lubricants.

3. COPPER ALLOY CONTACT PINS ARE NICKEL COATED AND GOLD PLATED — Provide long life, resists corrosion with easy positive engagement, ensuring electrical integrity.

4. STAINLESS STEEL COUPLING NUT — Resists corrosion and ensures a quick, secure connection in the toughest environments and high vibration applications.

CABLE INFORMATION - THERMO-TREX™ 600-PLUS

• Max Conductor Temperature 200°C • Cold Temperature Rating -40°C • 600V

PART NO.	**CONDUCTOR SIZE** (AWG)	**CONDUCTOR STRANDING**	**AMPACITY**[1]	**NOMINAL O.D.** (IN)	**WT.** (LBS) **PER 1000' FT**
41683	18/3	41/34	21	.256	44
41684	18/4	41/34	21	.275	53
41685	18/5	41/34	16	.297	62

NOTES: (1) Ampacity based on 200°C maximum conductor temperature and 40° ambient temperature per IEEE Standard Power Cable Ampacity Table

Build Your Own High Temperature M12 DC Micro Quick-Connects™ with Thermo-Trex 600-Plus High Temperature Silicone Cable

The chart below lists components with which to "build" the exact assembly needed. Begin at left with the first column. Write a **"C"** for cord set or a **"R"** for receptacle in the box at the top of the column. From the next column, identify the style. Write the appropriate letter in the box at the top of the column. Select components from all remaining columns, writing the desired letters or numbers chosen in the box at the top of each column.

1	2	3	4	5	6	7	8
TYPE	**STYLE**	**ENDS**	**POLES**	**HEAD CONFIG.**	**CABLE**	**UOM**	**LENGTH**
C	**K**	**2**	**5**	**E**	**95**	**M**	**005**
C = Cord Set	**K =** High Temp M12 DC Micro	**1 =** Single End (or Receptacle)	Number of Poles: **3, 4 or 5**	**A =** Male Straight **B =** Male 90° **C =** Female Straight **D =** Female 90°	**93 =** 18/3 (DC) #41683	Unit of Measure: **M =** Meters	Enter a three digit code in the box above. **EXAMPLE:** **5 =** "005"
					94 = 18/4 (DC) #41684		
					95 = 18/5 (DC) #41685	**F =** Feet	**50 =** "050"
R = Receptacle		**2 =** Double End		**E =** Male Straight to Female Straight **F =** Male Straight to Female 90° **G =** Male 90° to Female Straight **H =** Male 90° to Female 90° **Q =** Female Panel Mount Receptacle		**A =** Inches	**500 =** "500"

Stainless Steel Coupling Nut is Standard