

# M12 Cables with Field Mountable Connectors for Thermocouples

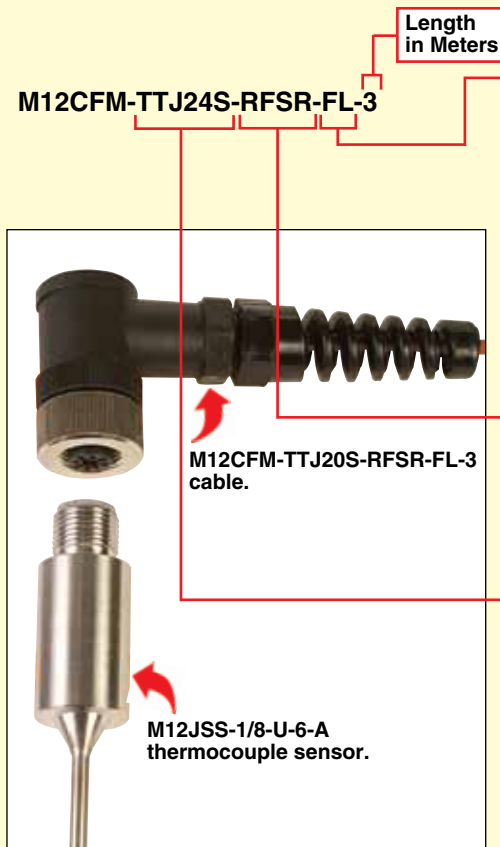
## For Field Adaptable and Special Requirements

M12CFM-TC Series Starts at

- ✓ Straight and Right Angled M12 Field Mountable Connector Sensor End
- ✓ Stranded Thermocouple Compensated Cable
- ✓ Two Cable Insulation Options Available in IEC and ANSI Color Codes
- ✓ Optional Stainless Steel Braid and BX Hose Options
- ✓ Variety of Connection Methods to Work With Your Instrumentation



### Typical M12CFM Cable Configuration



### Model Number Options Key

#### Back End Connector Options (Instrument Attachment)

<b>OSTWF</b>	OSTW female connector
<b>OSTWM</b>	OSTW male connector
<b>SMPWM</b>	SMPW-CC male connector
<b>SMPWF</b>	SMPW-CC female connector
<b>SFSR</b>	M12 straight socket connector with strain relief
<b>SMSR</b>	M12 straight plug connector with strain relief
<b>RFSR</b>	M12 right angled socket connector with strain relief
<b>RMSR</b>	M12 right angled plug connector with strain relief
<b>FL</b>	150 mm (6") stripped leads (minimum)

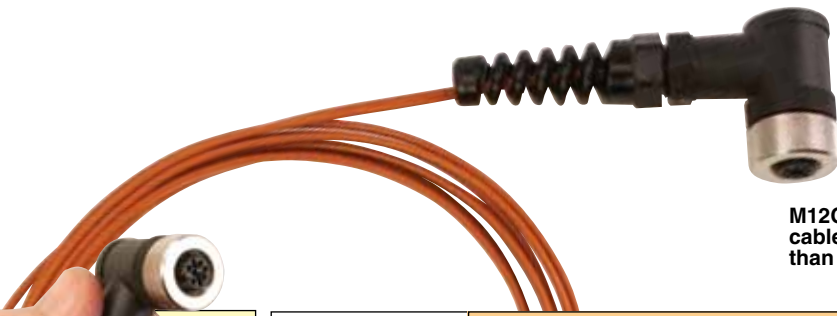
#### Front End Connector Options (Sensor Attachment)

<b>SFSR</b>	M12 straight socket connector with strain relief
<b>SMSR</b>	M12 straight plug connector with strain relief
<b>RFSR</b>	M12 right angled socket connector with strain relief
<b>RMSR</b>	M12 right angled plug connector with strain relief

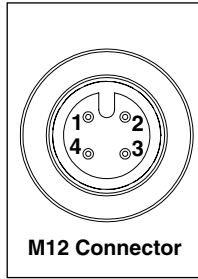
#### Cable Options

<b>TT*20S</b>	20 AWG stranded, PFA insulated and jacketed
<b>TT*24S</b>	24 AWG stranded, PFA insulated and jacketed
<b>PP*24S</b>	24 AWG stranded PVC insulated and jacketed

(\*) = Thermocouple Type [J, K, T, E (ANSI colors)], [JI, KI, TI, EI (IEC colors)]



M12CFM-TTJ24S-RFSR-FL-3, cable assembly, shown smaller than actual size.



Cable Wiring						
M12 Connector Pin Number	Type J ANSI	Type J IEC	Type K ANSI	Type K IEC	OSTW	SMPW
1	N/C	N/C	N/C	N/C	N/C	N/C
2	White	Black	Yellow	Green	+	+
3	Red	White	Red	White	-	-
4	N/C	N/C	N/C	N/C	N/C	N/C

**Cable Termination Options\***



**To Order**

Model No.	Cable	Sensor Connector	Termination	Length (Meters)
M12CFM-TTJ20S-SFSR-FL-3	PFA Insulated and Jacketed Type J Cable with #20 AWG Stranded Conductors	M12 straight socket	150 mm (6") stripped leads	3
M12CFM-TTJ20S-SFSR-FL-5				5
M12CFM-TTJ20S-SFSR-FL-10				10
M12CFM-TTK20S-SFSR-FL-3	PFA Insulated and Jacketed Type K Cable with #20 AWG Stranded Conductors	M12 straight socket	150 mm (6") stripped leads	3
M12CFM-TTK20S-SFSR-FL-5				5
M12CFM-TTK20S-SFSR-FL-10				10
M12CFM-TTJ24S-SFSR-FL-3	PVC Insulated and Jacketed Type J Cable with #20 or # 24 AWG Stranded Conductors	M12 straight socket	150 mm (6") stripped leads	3
M12CFM-TTJ24S-SFSR-FL-5				5
M12CFM-TTJ24S-SFSR-FL-10				10
M12CFM-TTK24S-SFSR-FL-3	PVC Insulated and Jacketed Type K Cable with #20 or #24AWG Stranded Conductors	M12 straight socket	150 mm (6") stripped leads	3
M12CFM-TTK24S-SFSR-FL-5				5
M12CFM-TTK24S-SFSR-FL-10				10
M12CFM-PPJ24S-SFSR-FL-3	PVC Insulated and Jacketed Type J Cable with #24 AWG Stranded Conductors	M12 straight socket	150 mm (6") stripped leads	3
M12CFM-PPJ24S-SFSR-FL-5				5
M12CFM-PPJ24S-SFSR-FL-10				10
M12CFM-PPK24S-SFSR-FL-3	PVC Insulated and Jacketed Type K Cable with #24 AWG Stranded Conductors	M12 straight socket	150 mm (6") stripped leads	3
M12CFM-PPK24S-SFSR-FL-5				5
M12CFM-PPK24S-SFSR-FL-10				10

For IEC colors, add "I" after the J or K with no additional cost

For longer cables, change last number in model number to the desired length in meters and add the following to the price: For "TT" and "PP" cables **contact sales**.

\* To add a connector to the end of the cable, replace "FL" in the model number with the connector designation in the table (on the previous page) and add the following to the price: "SMPW" and "OSTW" no additional charge, "SFSR" and "RFSR".

For Stainless Steel overbraid, add "SB" to the end of the cable callout, for pricing **contact sales**.

For BX hose, add "BX" to the end of the cable callout, for pricing **contact sales**.

**Ordering Examples:** M12CFM-TTK24SSB-RFSR-SMPWM-3, Type K patch cable with 24 AWG stranded conductors, PFA insulation and jacket (ANSI color code) and stainless steel braid 3 m (9.8') long, M12 right angled plug connector with strain relief one end and SMPW-CC male connector on the other.

M12CFM-PPJ24S-RFSR-SMSR-5, Type J 24 AWG stranded conductors, PVC insulation and jacket (IEC color code) 5 m (16.4') long, M12 right angled socket connector with strain relief one end and M12 straight plug connector with strain relief on the other.