



M12 Cables with Field Mountable Connectors for Resistance Sensors (RTDs) For Field Adaptable and Special Requirements

- ✓ Straight and Right Angled M12 Field Mountable Connector Sensor End
- ✓ Two Cable Insulations Available
- ✓ 4-Wire Construction, Field Re-Wireable
- ✓ Optional Stainless Steel Braid and BX Hose Options
- ✓ Variety of Connection Methods to Work with Your Instrumentation

M12CFM-RTD Series

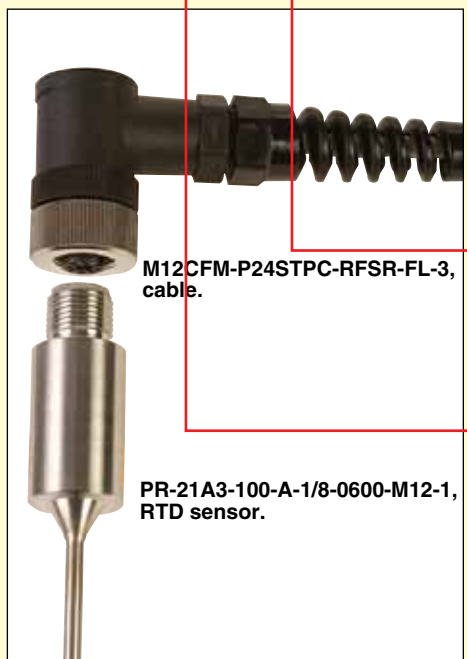


M12CFM-P24STPC-RFSR-MINIDIN-3, cable assembly, shown smaller than actual size.

Typical M12CFM Cable Configuration

M12CFM-P24STPC-RFSR-MINIDIN-3

Length in Meters



Model Number Options Key

Back End Connector Options (Instrument Attachment)

| | |
|----------------|--|
| MTPM | MTP 3-pin miniature plug connector |
| MTPF | MTP 3-pin miniature socket connector |
| OTPM | OTP 3-pin plug connector |
| OTPF | OTP 3-pin socket connector |
| TA3FM | 3-pin audio plug connector |
| TA3FF | 3-pin audio socket connector |
| TA4FM | 4-pin audio plug connector |
| TA4FF | 4-pin audio socket connector |
| MINIDIN | 4-pin mini DIN plug connector |
| SFSR | M12 straight socket connector with strain relief |
| SMSR | M12 straight plug connector with strain relief |
| RFSR | M12 right angled socket connector with strain relief |
| RMSR | M12 right angled plug connector with strain relief |
| FL | 150 mm (6") flying leads (minimum) |

Front End Connector Options (Sensor Attachment)

| | |
|-------------|--|
| SFSR | M12 straight socket connector with strain relief |
| SMSR | M12 straight plug connector with strain relief |
| RFSR | M12 right angled socket connector with strain relief |
| RMSR | M12 right angled plug connector with strain relief |

Cable Options

| | |
|----------------|---|
| T24SSPC | 24 AWG stranded SPC, PFA insulated and jacketed |
| P24STPC | 24 AWG stranded TPC, PVC insulated and jacketed |

Note: For stainless steel over-braid, add "SB" to the end of the cable callout for additional cost.

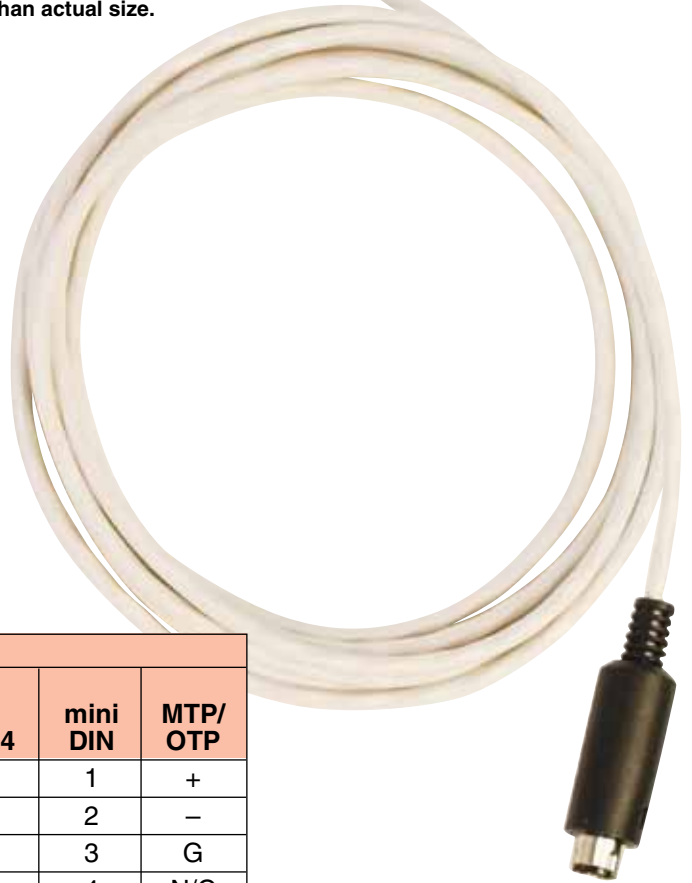
For BX hose over the cable, add "BX" to the end of the cable callout for additional cost.

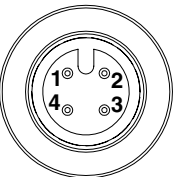


M12CFM-P24STPC-RFSR-MINIDIN-3, cable assembly, shown smaller than actual size.



M12 right angled socket connector with strain relief.



|  M12 Connector Sensor Side | Cable Wiring | | | | | |
|--|--------------------------|-------|-----|-----|----------|---------|
| | M12 Connector Pin Number | Color | TA3 | TA4 | mini DIN | MTP/OTP |
| 1 | Brown | 1 | 1 | 1 | + | |
| 2 | White | 2 | 2 | 2 | - | |
| 3 | Blue | 3 | 3 | 3 | G | |
| 4 | Black | N/C | 4 | 4 | N/C | |

| To Order Visit omega.com/m12cfm-rtd | | | | |
|---|--|-------------------------|--------------------------|-----------------|
| Model No. | Cable | Sensor Connector | Termination | Length (Meters) |
| M12CFM-T24SSPC-SFSR-FL-3 | PFA insulated and jacketed, 24 AWG stranded silver plated copper | M12 straight socket | 150 mm (6") flying leads | 3 |
| M12CFM-T24SSPC-SFSR-FL-5 | | | | 5 |
| M12CFM-T24SSPC-SFSR-FL-10 | | | | 10 |
| M12CFM-T24SSPC-SFSR-FL-15 | | | | 15 |
| M12CFM-T24SSPC-SFSR-FL-20 | | | | 20 |
| M12CFM-P24STPC-SMSR-FL-3 | PVC insulated and jacketed, 24 AWG stranded tin plated copper | M12 right angled socket | 150 mm (6") flying leads | 3 |
| M12CFM-P24STPC-SMSR-FL-5 | | | | 5 |
| M12CFM-P24STPC-SMSR-FL-10 | | | | 10 |
| M12CFM-P24STPC-SMSR-FL-15 | | | | 15 |
| M12CFM-P24STPC-SMSR-FL-20 | | | | 20 |

For longer cables, change last number in model number to the desired length in meters for additional cost.

To add a connector to the end of the cable, replace "FL" in the model number with the connector designation in the table and add the following to the price: "MTP" no additional charge, "OTP" no additional charge, for "TA3M", "TA3F", "TA4M", "TA4F" or "MINIDIN" for additional cost, for "SFSR", "RFSR", "SMSR" or "RMSR" for additional cost.

For Stainless Steel overbraid, add "SB" to the end of the cable callout for additional cost.

For BX Hose, add "BX" to the end of the cable callout for additional cost.

Ordering Examples: M12CFM-T24SSPCSB-RFSR-MTPM-3, 4-conductor, 24 AWG, stranded silver plated copper conductors, PFA insulation and jacket and stainless steel braid 3 m long, M12 right angled plug connector with strain relief one end and MTP-male connector on the other.

M12CFM-P24STPC-RFSR-SMSR-5, 4-conductor, 24 AWG stranded tin plated copper conductors, PVC insulation and jacket, 5 m long, M12 right angled socket connector with strain relief one end and M12 straight plug connector with strain relief on the other.