

# M12 T-Coded Male Right-Angle to Female Straight Cable

M12 × 1.0 T-coded 4-pin, male right-angle to female straight, overmolded both ends, for DC power. 1, 2, 5 or 10 m.



## ORDERING CODE

**M12T-4P-MRA-FST-[jacket]-[U/S]-[length]M**

## CONNECTOR

**M12 × 1.0, T-coded, male, right-angle to female straight**

## PINS AND CODING

**4-pin T-coded · DC power**

## CABLE

**PUR or PVC jacket · unshielded or shielded**

## LENGTHS

**1 m, 2 m, 5 m, 10 m**

## CABLE TEMPERATURE

**–40 to +105 °C**

## CONSTRUCTION

|             |                                                          |
|-------------|----------------------------------------------------------|
| Standard    | IEC 61076-2-101                                          |
| Connector   | M12 × 1.0, T-coded, male, right-angle to female straight |
| Termination | Soldered and overmolded                                  |
| Contacts    | Brass, gold plated                                       |
| Coupling    | Screw lock, brass, nickel plated                         |
| Overmold    | TPU body and overmold                                    |
| Shield (S)  | Brass shell, nickel plated                               |
| Jacket      | PUR or PVC, black, –40 to +105 °C                        |
| Wire gauge  | Conductor size set by current; confirm at quote          |
| Wiring      | Straight through, pin to pin                             |

## RATINGS

|               |                          |
|---------------|--------------------------|
| 4-pin T-coded | 12 A · voltage per quote |
|---------------|--------------------------|

## GENERAL

|                    |                |
|--------------------|----------------|
| Current rating at  | 40 °C          |
| Cable temp.        | –40 to +105 °C |
| Insulation resist. | ≥ 100 MΩ       |
| Contact resist.    | ≤ 5 mΩ         |
| Mating cycles      | > 100          |
| Compliance         | RoHS / REACH   |

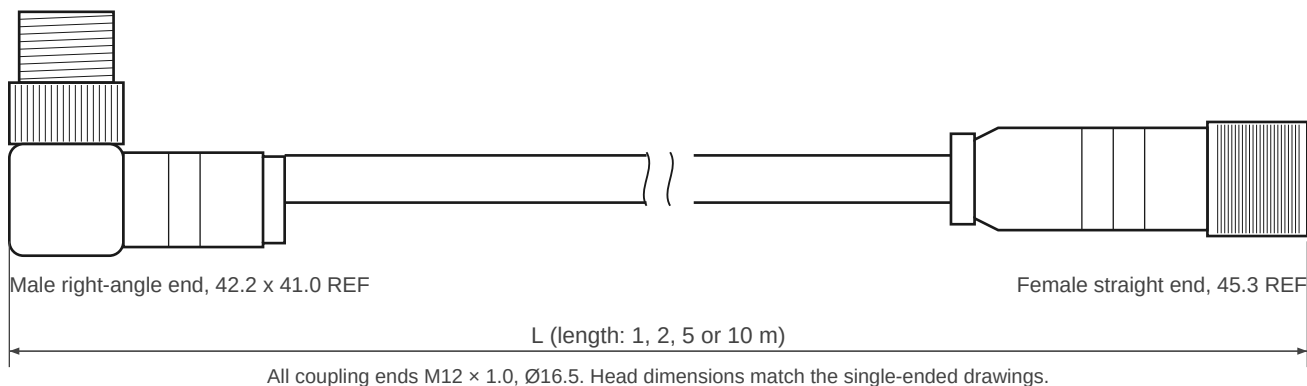
## BUILT TO ORDER

Standard configurations ship in about 5 to 6 weeks. Request a quote on [formrep.com](http://formrep.com) or call 816-782-7800.

## NEED SOMETHING DIFFERENT?

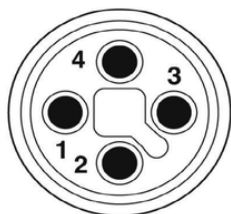
Other lengths, cable types and mixed-connector versions are available. Ask for a made-to-fit quote.

## Dimensions, pin layouts and ordering



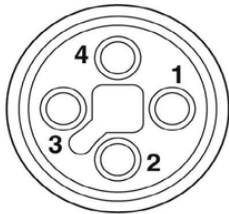
### PIN LAYOUTS, MALE END (LEFT) AND FEMALE END (RIGHT), FACE VIEWS

4-pin T-coded



Male face view (mating side)

4-pin T-coded



Female face view (mating side)

### ORDERING CODE

**M12T**

M12 T-coded

**4P**

4 pins

**MRA-FST**

this cable family

**PUR**

jacket: PUR or PVC

**U**

U = unshielded, S = shielded

**2M**

length: 1M, 2M, 5M, 10M

Example: M12T-4P-MRA-FST-PUR-U-2M = 4-pin T-coded M12 male right-angle to female straight, PUR jacket, unshielded, 2 m.

### STANDARD CONFIGURATIONS (16)

|                          |                           |                           |                           |                          |                           |
|--------------------------|---------------------------|---------------------------|---------------------------|--------------------------|---------------------------|
| M12T-4P-MRA-FST-PUR-U-1M | M12T-4P-MRA-FST-PUR-U-10M | M12T-4P-MRA-FST-PUR-S-5M  | M12T-4P-MRA-FST-PVC-U-2M  | M12T-4P-MRA-FST-PVC-S-1M | M12T-4P-MRA-FST-PVC-S-10M |
| M12T-4P-MRA-FST-PUR-U-2M | M12T-4P-MRA-FST-PUR-S-1M  | M12T-4P-MRA-FST-PUR-S-10M | M12T-4P-MRA-FST-PVC-U-5M  | M12T-4P-MRA-FST-PVC-S-2M |                           |
| M12T-4P-MRA-FST-PUR-U-5M | M12T-4P-MRA-FST-PUR-S-2M  | M12T-4P-MRA-FST-PVC-U-1M  | M12T-4P-MRA-FST-PVC-U-10M | M12T-4P-MRA-FST-PVC-S-5M |                           |