

## M12 S-Coded Male Straight to Male Right-Angle Cable

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



### ORDERING CODE

**M12S-4P-MST-MRA-[jacket]-[U/S]-[length]M**

### CONNECTOR

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

### PINS AND CODING

**4-pin S-coded · AC 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, S-coded, male, straight to male right-angle |
| 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 S-coded | 630 V · 12 A |
|---------------|--------------|

### 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   |

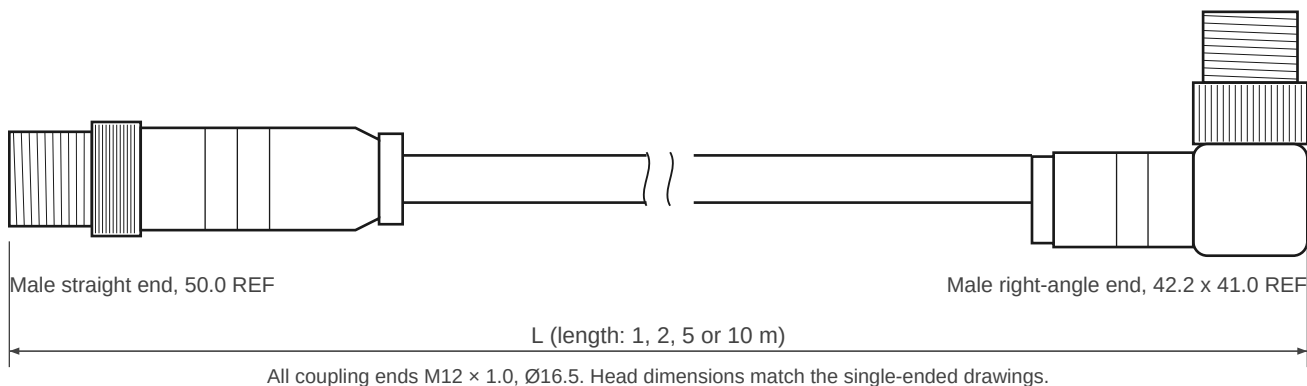
### BUILT TO ORDER

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 LAYOUT, MALE FACE VIEW, BOTH ENDS (MATING SIDE)

#### 4-pin S-coded



Male face view (mating side)

### ORDERING CODE

|             |   |           |   |                   |   |                    |   |                              |   |                         |
|-------------|---|-----------|---|-------------------|---|--------------------|---|------------------------------|---|-------------------------|
| <b>M12S</b> | - | <b>4P</b> | - | <b>MST-MRA</b>    | - | <b>PUR</b>         | - | <b>U</b>                     | - | <b>2M</b>               |
| M12 S-coded |   | 4 pins    |   | this cable family |   | jacket: PUR or PVC |   | U = unshielded, S = shielded |   | length: 1M, 2M, 5M, 10M |

Example: M12S-4P-MST-MRA-PUR-U-2M = 4-pin S-coded M12 male straight to male right-angle, PUR jacket, unshielded, 2 m.

### STANDARD CONFIGURATIONS (16)

|                          |                           |                           |                           |                          |                           |
|--------------------------|---------------------------|---------------------------|---------------------------|--------------------------|---------------------------|
| M12S-4P-MST-MRA-PUR-U-1M | M12S-4P-MST-MRA-PUR-U-10M | M12S-4P-MST-MRA-PUR-S-5M  | M12S-4P-MST-MRA-PVC-U-2M  | M12S-4P-MST-MRA-PVC-S-1M | M12S-4P-MST-MRA-PVC-S-10M |
| M12S-4P-MST-MRA-PUR-U-2M | M12S-4P-MST-MRA-PUR-S-1M  | M12S-4P-MST-MRA-PUR-S-10M | M12S-4P-MST-MRA-PVC-U-5M  | M12S-4P-MST-MRA-PVC-S-2M |                           |
| M12S-4P-MST-MRA-PUR-U-5M | M12S-4P-MST-MRA-PUR-S-2M  | M12S-4P-MST-MRA-PVC-U-1M  | M12S-4P-MST-MRA-PVC-U-10M | M12S-4P-MST-MRA-PVC-S-5M |                           |