

## M12 Y-Coded Female to Female Right-Angle Cable

M12 × 1.0 Y-coded 8-pin, female right-angle to female right-angle, overmolded both ends, for hybrid data and power. 1, 2, 5 or 10 m.



### ORDERING CODE

**M12Y-8P-FF-RA-[jacket]-S-[length]M**

### CONNECTOR

**M12 × 1.0, Y-coded, female, right-angle to female right-angle**

### PINS AND CODING

**8-pin Y-coded · hybrid data and power**

### CABLE

**PUR or PVC jacket · 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, Y-coded, female, right-angle to female 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  | 0.14 mm <sup>2</sup> (26 AWG)                                 |
| Wiring      | Straight through, pin to pin                                  |

### RATINGS

|               |              |
|---------------|--------------|
| 8-pin Y-coded | 60 V · 0.5 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   |

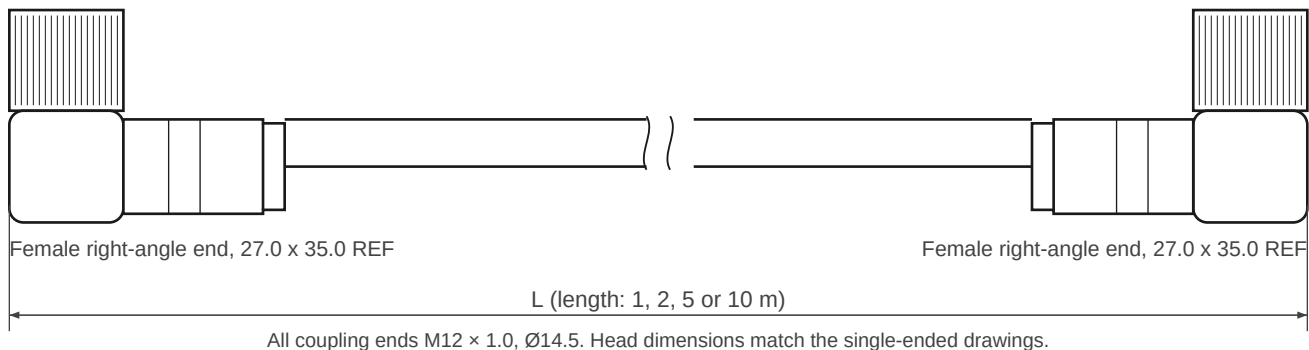
### BUILT TO ORDER

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?

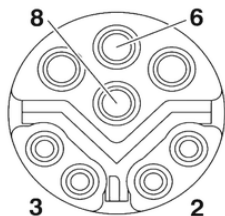
Other lengths, cable types and mixed-connector versions are available. Ask for a made-to-fit quote.

## Dimensions, pin layouts and ordering



### PIN LAYOUT, FEMALE FACE VIEW, BOTH ENDS (MATING SIDE)

#### 8-pin Y-coded



Female face view (mating side)

### ORDERING CODE

|             |   |           |   |                   |   |                    |   |              |   |                         |
|-------------|---|-----------|---|-------------------|---|--------------------|---|--------------|---|-------------------------|
| <b>M12Y</b> | - | <b>8P</b> | - | <b>FF-RA</b>      | - | <b>PUR</b>         | - | <b>S</b>     | - | <b>2M</b>               |
| M12 Y-coded |   | 8 pins    |   | this cable family |   | jacket: PUR or PVC |   | S = shielded |   | length: 1M, 2M, 5M, 10M |

Example: M12Y-8P-FF-RA-PUR-S-2M = 8-pin Y-coded M12 female right-angle to female right-angle, PUR jacket, shielded, 2 m.

### STANDARD CONFIGURATIONS (8)

|                        |                         |                        |                         |
|------------------------|-------------------------|------------------------|-------------------------|
| M12Y-8P-FF-RA-PUR-S-1M | M12Y-8P-FF-RA-PUR-S-5M  | M12Y-8P-FF-RA-PVC-S-1M | M12Y-8P-FF-RA-PVC-S-5M  |
| M12Y-8P-FF-RA-PUR-S-2M | M12Y-8P-FF-RA-PUR-S-10M | M12Y-8P-FF-RA-PVC-S-2M | M12Y-8P-FF-RA-PVC-S-10M |