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

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

ORDERING CODE
**M12Y-8P-MM-RA-[jacket]-S-[length]M**

CONNECTOR
**M12 × 1.0, Y-coded, male, right-angle to male 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, male, right-angle 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** | 0.14 mm² (26 AWG) |
| **Wiring** | Straight through, pin to pin |

## RATINGS

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

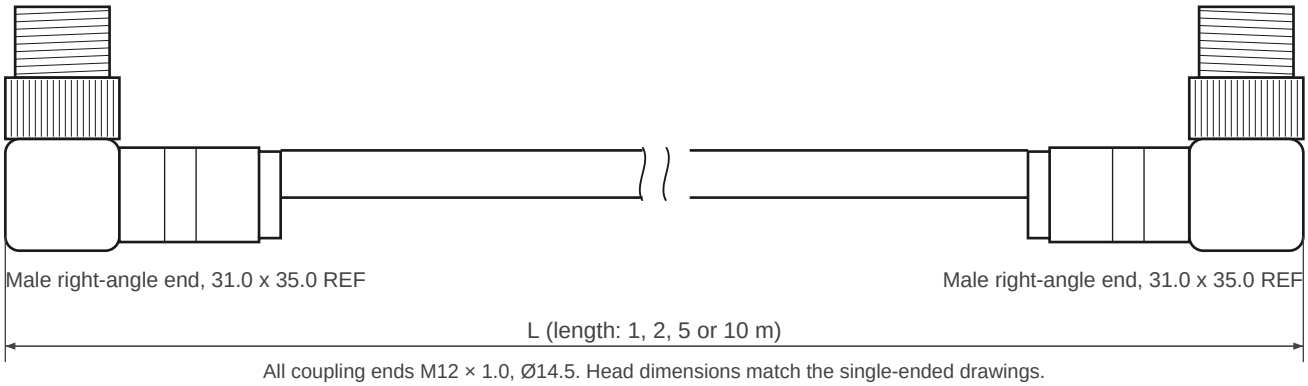
## GENERAL

| | |
|---|---|
| **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 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.

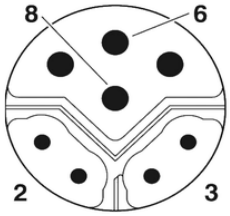
# Dimensions, pin layouts and ordering




All coupling ends M12 × 1.0, Ø14.5. Head dimensions match the single-ended drawings.

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

**8-pin Y-coded**




Male face view (mating side)

## ORDERING CODE

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

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

## STANDARD CONFIGURATIONS (8)

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