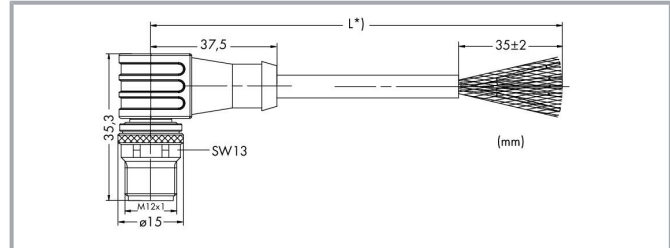
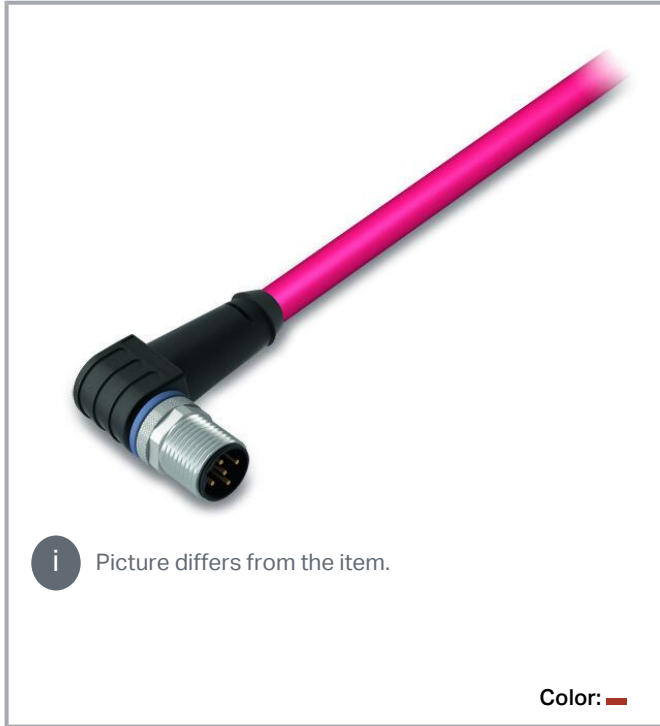


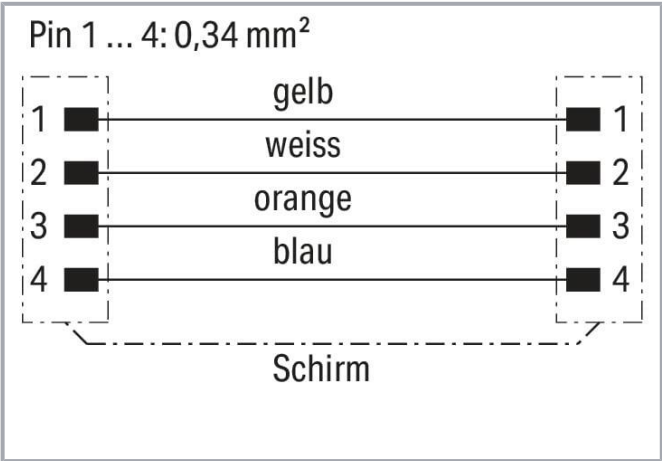
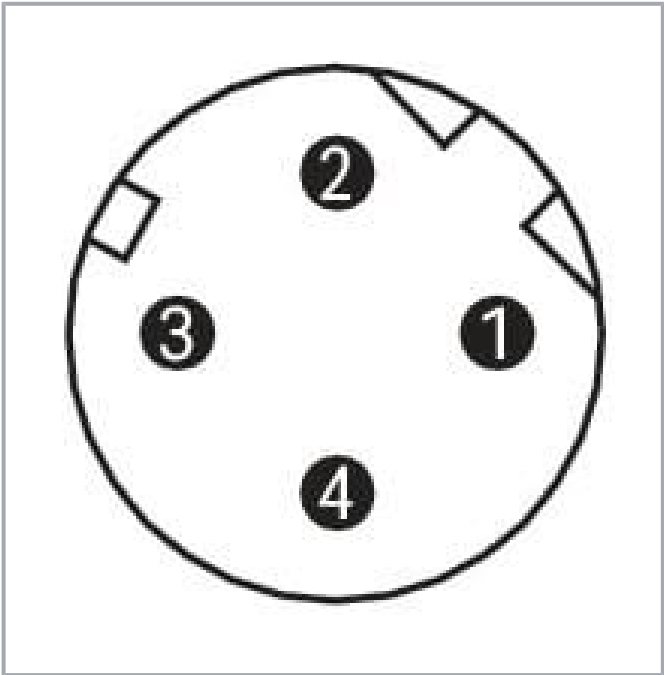
**Data sheet | Item number: 756-1602/060-020**  
sercos cable; M12D plug; angled; 4-pole; Length: 2 m  
[www.wago.com/756-1602/060-020](http://www.wago.com/756-1602/060-020)



Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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Item description

Short description:

- PUR RD, halogen-free
- CAT 5e ES
- Suitable for drag chains
- Silicon- and CFC-free
- High resistance to microbes, hydrolysis, oil, ozone, chemicals and UV radiation
- Cable used: UL listed

Data

Technical data

|                                                |                     |
|------------------------------------------------|---------------------|
| Connection type                                | M12 plug - free end |
| Pole number                                    | 4                   |
| Cable connection direction to mating direction | 90 °                |
| Connector interface coding (cable/adapter) 1 1 | D-coded             |
| Cable length                                   | 2 m                 |
| Communication/fieldbus                         | sercos              |
| Operating voltage                              | 250 V               |
| Operating current                              | 4 A                 |

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|                       |                                       |
|-----------------------|---------------------------------------|
| Rated surge voltage   | 2 kV                                  |
| Contact resistance    | 10 mΩ                                 |
| Insulation resistance | $\geq 5 \times 10^8 \Omega/\text{km}$ |
| Conductor resistance  | $< 57 \Omega/\text{km}$               |

## Mechanical Data

|                         |                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------|
| Bending radius          | Single: 4 x cable diameter (min.); Multiple: 8 x cable diameter (min.)                    |
| Bending cycles          | 3 Mio.                                                                                    |
| Drag chain capability   | yes                                                                                       |
| Sheathed cable diameter | 6.3 ... 6.7 mm                                                                            |
| Type code               | 02YH(ST)C11Y 2x2x0.75/1.5-100 LI RT VZN FRNC, shielded                                    |
| Shield                  | Overlapped aluminum-laminated foil and tinned copper braid, optical coverage approx. 85 % |
| Conductor configuration | Bare copper wire (7 x 0.25 mm)                                                            |
| Conductor insulation    | Halogen-free PE                                                                           |
| Housing material        | TPU/TPU, black (~ RAL 9005)                                                               |
| Tightening torque       | 1 Nm                                                                                      |
| Weight                  | 160 g                                                                                     |
| Color                   | red                                                                                       |

## Environmental requirements

|                                           |                     |
|-------------------------------------------|---------------------|
| Ambient (operating) temperature (dynamic) | -40 ... +70 °C      |
| Ambient (operating) temperature (static)  | -40 ... +70 °C      |
| Protection type                           | IP67                |
| Pollution degree                          | 3/2 per IEC 60664-1 |

## Commercial data

|                       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-06-18-01   |
| eCl@ss 9.0            | 27-06-18-01   |
| ETIM 8.0              | EC002599      |
| ETIM 7.0              | EC003249      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4050821591467 |
| Customs tariff number | 85444290900   |

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Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

General approvals

| Logo                                                                             | Approval                             | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------|
|  | UL<br>Underwriters Laboratories Inc. | UL 2238                  | E519602          |

Downloads  
Documentation

System Description

|                                                    |               |          |
|----------------------------------------------------|---------------|----------|
| I/O-SYSTEM – SPEEDWAY, General Product Information | pdf<br>1.1 MB | Download |
|----------------------------------------------------|---------------|----------|

CAD/CAE-Data

CAE data

|                                 |     |          |
|---------------------------------|-----|----------|
| WSCAD Universe 756-1602/060-020 | URL | Download |
| WSCAD Universe 756-1602/060-020 | URL | Download |

Environmental Product Compliance

Compliance Search

|                                                                                                           |     |          |
|-----------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 756-1602/060-020<br>sercos cable; M12D plug; angled; 4-pole; Length: 2 m | URL | Download |
|-----------------------------------------------------------------------------------------------------------|-----|----------|

Installation Notes

Subject to changes. Please also observe the further product documentation!