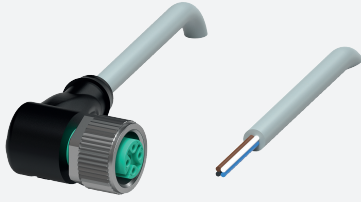


Female cordset

V1-W-20M-PUR



- Degree of protection IP68 / IP69
- Resistant to microbes and hydrolysis
- Halogen-free
- Specific design protects against loosening and inaccurate installation

Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable grey



Dimensions



Technical Data

General specifications

| | | |
|--------------------|--|------------------|
| Connector 1 | | |
| Connection | | socket |
| Construction type | | M12 |
| Style | | angled |
| Locking | | screw connection |
| Number of pins | | 4 |
| Coding | | A-coded |
| Connector 2 | | |
| Connection | | cable end |

Electrical specifications

| | | |
|-------------------|-------|------------------|
| Operating voltage | U_B | max. 250 V AC/DC |
| Operating current | I_B | max. 4 A |

Conformity

| | | |
|----------------------|--|-------------------------------------|
| Degree of protection | | EN 60529 |
| Plug connection | | connector M12 x 1 : IEC 61076-2-101 |
| Halogen-free | | IEC 60754-1 |

Ambient conditions

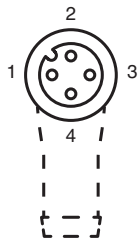
| | | |
|----------------------------|--|--------------------------------|
| Ambient temperature | | |
| Plug connector | | -40 ... 90 °C (-40 ... 194 °F) |
| Cable, fixed | | -40 ... 80 °C (-40 ... 176 °F) |

Release date: 2023-08-23 Date of issue: 2023-08-23 Filename: 193003_eng.pdf

Technical Data

| | | |
|----------------------------------|---|------|
| Cable, flexing | -25 ... 80 °C (-13 ... 176 °F) | |
| Pollution degree | 3 | |
| Mechanical specifications | | |
| Plug connector | | |
| Tightening torque | 0.6 Nm | |
| Loosening protection | available | |
| Tool installation | straight knurling and hexagon nut SW = 14 mm | |
| Mating cycles | min. 100 | |
| Degree of protection | IP68 / IP69 | |
| Cable | according to IEC/EN 60228 (DIN VDE 0295) class 5 | |
| Sheath diameter | 4.8 mm | |
| Bending radius | > 10 x cable diameter, moving > 8 x cable diameter, fixed | |
| Sheath stripping force | max. 60 N / 500 mm | |
| Sheath color | grey (similar to RAL 7001) | |
| Number of cores | 4 | |
| Core cross section | 0.34 mm ² | |
| Cores color | Core 1: brown Core 2: white Core 3: blue Core 4: black | |
| Core construction | 19 x 0.15 mm Ø | |
| Length | L | 20 m |
| Cable code | Li 9Y 11YM 4 x 0.34 | |
| Drag chain suitability | | |
| Drag chain cycles | max. 50 / day | |
| Motion velocity | max. 0.3 m/s | |
| Material | | |
| Halogen-free | yes | |
| Plug connector | | |
| Screw connection | Zinc diecast, nickel-plated | |
| Body | TPU, black | |
| Seal | FKM | |
| Contact surface | gold plated (Au) | |
| Flammability | V-2 | |
| Cable | | |
| Sheathing | PUR based on polyether | |
| Core insulation | PP | |
| Chemical resistance | good | |
| Microbial resistance | yes | |
| Hydrolysis resistance | yes | |

Connection



| | | |
|-----|-------|----|
| 1) | | BN |
| 2) | | WH |
| 3) | | BU |
| 4) | | BK |

Accessories

| | | |
|---|------------------------------|--|
|  | MH V1-SCREWDRIVER | Torque screwdriver (0.6 Nm) |
|  | MH V1-BIT M12 | plug-in cap M12 |
|  | V1/V3-LABELHOLDER | Label holder |
|  | V1/V3-LABEL | Label plate |
|  | MH V1-Holder | Modular universal holder for M12 connectors |
|  | V1-CLIP | Unlocking protector for M12 connector |
|  | V1-MARKING-RING-COLOR | Marking rings for M12 connectors, various colors |