

M12 female 0° A-cod. with cable shielded

PVC 5x0.34 shielded gy 50m

M12, 5-pole  
Female straight  
shielded  
with cable sleeves  
Plastic housings with good resistance against chemicals and oils.  
The resistance to aggressive media should be individually tested for your application. Further details on request.  
Further cable lengths on request.

Link to Product

Illustration



Product may differ from Image



|                   |        |
|-------------------|--------|
| Cable length      | 50 m   |
| Side 1            |        |
| Tightening torque | 0,6 Nm |

|                                     |                   |
|-------------------------------------|-------------------|
| Mounting method                     | inserted, screwed |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Cable outlet                        | straight          |
| Coding                              | A                 |
| Material                            | PUR               |
| Width across flats                  | SW13              |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |

#### Side 2

|                           |       |
|---------------------------|-------|
| Stripping length (jacket) | 20 mm |
|---------------------------|-------|

#### Commercial data

|                       |               |
|-----------------------|---------------|
| ECLASS-6.0            | 27279218      |
| ECLASS-7.0            | 27279218      |
| ECLASS-8.0            | 27279218      |
| ECLASS-9.0            | 27060311      |
| ECLASS-10.1           | 27060311      |
| ECLASS-11.1           | 27060311      |
| ECLASS-12.0           | 27060311      |
| ETIM-5.0              | EC001855      |
| customs tariff number | 85444290      |
| GTIN                  | 4048879199858 |
| Packaging unit        | 1             |

#### Electrical data | Supply

|                                    |      |
|------------------------------------|------|
| Operating voltage AC max.          | 60 V |
| Operating voltage DC max.          | 60 V |
| Current operating per contact max. | 4 A  |

#### Installation | Connection

|                           |         |
|---------------------------|---------|
| Stripping length (jacket) | 20 mm   |
| Mounting set              | M12 x 1 |
| Gender                    | female  |

#### Device protection | Electrical

|  |                   |
|--|-------------------|
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 1,5 kV            |
| Material group (IEC 60664-1)           | I                 |

#### Mechanical data

|                             |         |
|-----------------------------|---------|
| Contour for corrugated hose | without |
|-----------------------------|---------|

#### Mechanical data | Material data

|                           |                  |
|---------------------------|------------------|
| Coating locking           | Nickeled         |
| Coating of fitting        | nickel plated    |
| Locking material          | Zinc die-casting |
| Material screw connection | Zinc die-casting |

#### Mechanical data | Mounting data

|                 |                                       |
|-----------------|---------------------------------------|
| Mounting method | inserted, screwed, Shaking protection |
|-----------------|---------------------------------------|

#### Environmental characteristics | Climatic

|  |                            |
|--|----------------------------|
| Operating temperature min.             | -25 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

#### Conformity

|                  |                          |
|------------------|--------------------------|
| Product standard | DIN EN 61076-2-101 (M12) |
|------------------|--------------------------|

| Installation   Cable                                    |  |
|---|--|
| Cable identification                                    | 348  |
| Jacket Color  | gray   |
| Amount stranding  | 1  |
| Stranding   | 5 wires around Core filler twisted                   |
| Stranding factor min.                                   | 75 mm  |
| Stranding factor max.                                   | 75 mm  |
| Cable shielding (type)                                  | copper braid, tinned                                 |
| Cable shielding (coverage)                              | 85 %   |
| Banding   | Foil   |
| Filler  | yes  |
| wire arrangement  | brown, black, blue, white, green-yellow              |
| Cable weight  | 72,05 g/m  |
| Material jacket   | PVC  |
| Shore hardness jacket                                   | 75 Shore A   |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free                    |
| Outer-diameter (jacket)                                 | 5,9 mm   |
| Tolerance outer diameter (sheath)                       | ± 5 %  |
| Material wire insulation                                | PVC  |
| Amount wires  | 5  |
| Outer diameter insulation                               | 1,4 mm   |
| Outer diameter tolerance core insulation                | ± 5 %  |
| Shore hardness wire insulation                          | 85 Shore A   |
| Ingredient freeness wire insulation                     | lead-free, CFC-free                                  |
| Amount strands (wire)                                   | 42   |
| Diameter of single wires                                | 0,1 mm   |
| Conductor crosssection (wire)                           | 0,34 mm <sup>2</sup>                                 |
| Material conductor wire                                 | Stranded copper wire, bare                           |
| Conductor type (wire)                                   | strand class 6                                       |
| Current load capacity (standard)                        | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                         | 4,8 A  |
| Electrical resistance line constant wire                | 57 Ω/km @ 20 °C                                      |
| Max. rated voltage power (conductor - ground)           | 300 V  |
| Max. rated voltage power (conductor - conductor)        | 500 V  |
| AC withstand voltage power (wire - shield)              | 1,5 kV @ 60 s  |
| Power frequency withstand voltage power (wire - jacket) | 1,5 kV @ 60 s  |
| AC withstand voltage power (wire - wire)                | 1,5 kV @ 60 s  |
| Min. operating temperature (static)                     | -30 °C   |
| Max. operating temperature (fixed)                      | 80 °C  |
| Operating temperature min. (dynamic)                    | -5 °C  |
| Operating temperature max. (dynamic)                    | 70 °C  |
| Flame resistance  | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  |
| chemical resistance                                     | Good, application-related testing                    |
| Gasoline resistance                                     | Good, application-related testing                    |
| Oil resistance  | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (dynamic)                                | 15 x Outer diameter                                  |