

**M12 male 0° / M12 female 0°**

PUR 5x0.75 bk UL/CSA+drag ch. 11m

Male straight – female straight

M12 – M12, 5-pole

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 length11 m

Side 1

|                                     |         |
|-------------------------------------|---------|
| Tightening torque                   | 0,6 Nm  |
| Family construction form            | M12     |
| Thread                              | M12 x 1 |
| Coding                              | A       |
| No. of poles                        | 5       |
| Width across flats                  | SW13    |
| Degree of protection (EN IEC 60529) | IP67    |

Side 2

|                          |         |
|--------------------------|---------|
| Tightening torque        | 0,6 Nm  |
| Family construction form | M12     |
| Thread                   | M12 x 1 |
| Coding                   | A       |
| No. of poles             | 5       |

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                  | 4048879640121 |
| Packaging unit        | 1             |

Electrical data | Supply

|                                  |       |
|----------------------------------|-------|
| Operating voltage AC max.        | 125 V |
| Operating voltage DC max.        | 125 V |
| Operating voltage AC (UL-listed) | 30 V  |
| Operating voltage DC (UL-listed) | 30 V  |

Current operating per contact max. 4 A

#### Diagnostics

Status indication LED no

#### 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 | Material data

Coating locking Nickeled

Material housing PUR

Locking material 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 638

Cable Type 3

Printing color of wire insulation white (isolation black)

Jacket Color black

Type of Certificate cURus

Amount stranding 1

Stranding 5 wires around Core filler twisted

Filler yes

wire arrangement black 1, black 2, black 3, black 4, green-yellow

No. of bending cycles (C-track) 10 Mio. @ 25 °C

Cable weight 81,4 g/m

Material jacket PUR

Shore hardness jacket 90 ± 5 Shore A

Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Outer-diameter (jacket) 7 mm

Tolerance outer diameter (sheath) ± 5 %

Material wire insulation PP

Amount wires 5

Outer diameter insulation 1,85 mm

Outer diameter tolerance core insulation ± 5 %

Shore hardness wire insulation 70 ± 5 Shore D

Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

Printing color of wire insulation white (isolation black)

Amount strands (wire) 42

Diameter of single wires 0,15 mm

Conductor crosssection (wire) 0,75 mm²

Material conductor wire Stranded copper wire, bare

Conductor type (wire) strand class 6

Traversing distance (C-track) 10 m @ 25 °C | horizontal

Current load capacity (standard) to DIN VDE 0298-4

|   |  |
|---|--|
| Current load capacity min. wire                         | 8,4 A  |
| Electrical resistance line constant wire                | 26 $\Omega$ /km @ 20 °C                              |
| Nominal voltage power AC max.                           | 300 V  |
| Power frequency withstand voltage power (wire - jacket) | 2,5 kV @ 60 s  |
| AC withstand voltage power (wire - wire)                | 2,5 kV @ 60 s  |
| Min. operating temperature (static)                     | -40 °C   |
| Max. operating temperature (fixed)                      | 80 °C / 90 °C @ 10000 h Operation                    |
| Operating temperature min. (dynamic)                    | -25 °C   |
| Operating temperature max. (dynamic)                    | 80 °C / 90 °C @ 10000 h Operation                    |
| UV resistance   | DIN EN ISO 4892-2 A                                  |
| Flame resistance  | UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  |
| chemical resistance                                     | Good, application-related testing                    |
| Gasoline resistance                                     | Good, application-related testing                    |
| Oil resistance  | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)                                  | 5 x Outer diameter                                   |
| Bending radius (dynamic)                                | 10 x Outer diameter                                  |
| No. of torsion cycles                                   | 2 Mio.   |
| Torsion speed   | 35 cycles/min  |
| Torsion stress  | $\pm 180$ °/m  |