

## M12 female 0° A-cod. with cable

PUR 3x0.34 bk UL/CSA+robot+drag ch. 10m

Female straight

M12, 4-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request  
with cable sleeves

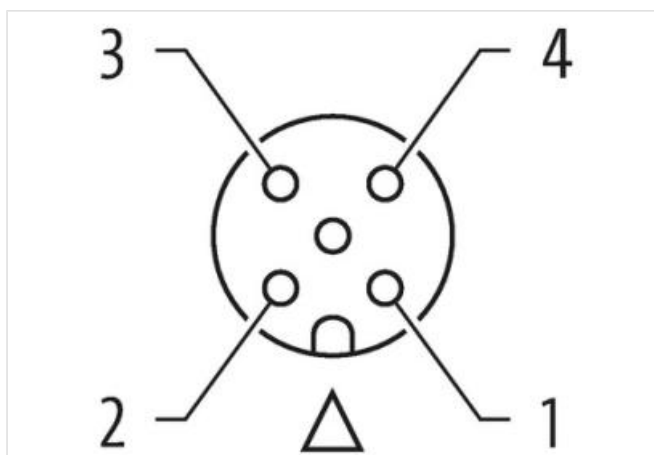
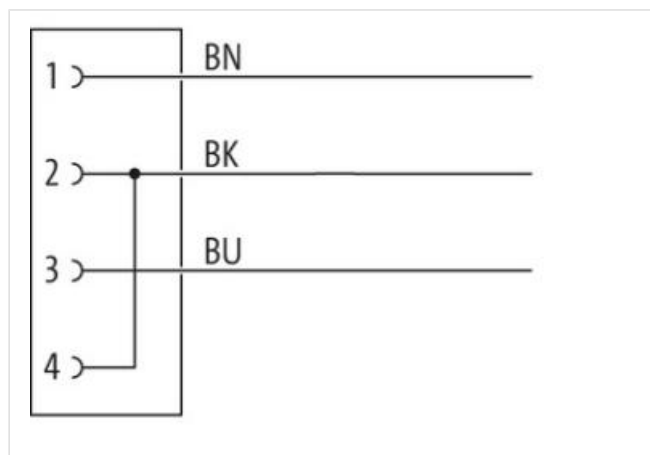
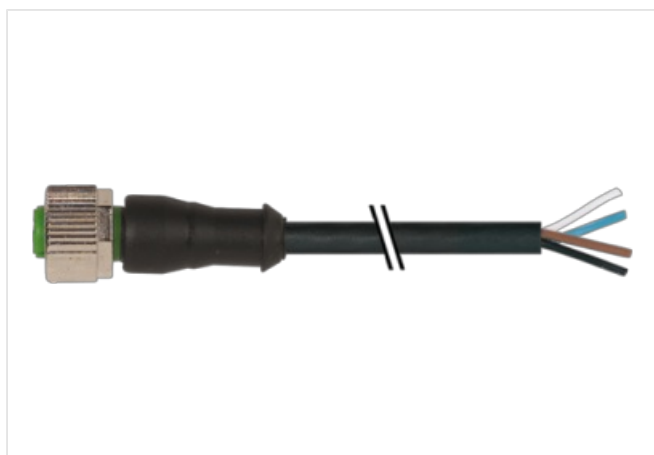
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

## 제품 링크

### 일러스트



실제 제품은 이미지와 다를 수 있습니다.



Cable length 10 m

### Side 1

Tightening torque 0,6 Nm

이 데이터 시트에 포함된 정보는 최대한의 주의로 작성되었습니다.

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|                                           |                   |
|-------------------------------------------|-------------------|
| Mounting method                           | inserted, screwed |
| Coating contact                           | gold plated       |
| Family construction form                  | M12               |
| Thread                                    | M12 x 1           |
| suitable for corrugated tube (internal Ø) | 10 mm             |
| Coding                                    | A                 |
| Material contact                          | Copper alloy      |
| Material                                  | PUR               |
| No. of poles                              | 4                 |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |

Side 2

|                           |             |
|---------------------------|-------------|
| Stripping length (jacket) | 20 mm       |
| Coating contact           | gold plated |

제품자료

|             |               |
|-------------|---------------|
| ECLASS-6.0  | 27279218      |
| ECLASS-6.1  | 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      |
| GTIN        | 4048879419673 |
| 세번부호        | 85444290      |
| 포장단위        | 1             |

Electrical data | Supply

|                                    |       |
|------------------------------------|-------|
| Operating voltage AC max.          | 250 V |
| Operating voltage DC max.          | 250 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 |
|-----------------------|----|

Installation | Connection

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

Device protection | Electrical

|                                        |                   |
|----------------------------------------|-------------------|
| Additional condition protection degree | inserted, screwed |
| Pollution Degree                       | 3                 |
| Rated surge voltage                    | 2,5 kV            |
| Material group (IEC 60664-1)           | I                 |

Mechanical data | Material data

|                           |                   |
|---------------------------|-------------------|
| Coating locking           | safe-cover coated |
| Coating of fitting        | nickel plated     |
| Material gasket           | FKM               |
| 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 |

Important installation notes

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| Note on bending radius | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

Conformity

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

Installation | Cable

|                                                         |                                                                |
|---------------------------------------------------------|----------------------------------------------------------------|
| Cable identification                                    | 653                                                            |
| Cable Type                                              | 5                                                              |
| Jacket Color                                            | black                                                          |
| Type of Certificate                                     | cURus                                                          |
| Amount stranding                                        | 1                                                              |
| Stranding                                               | 3 wires twisted                                                |
| wire arrangement                                        | brown, black, blue                                             |
| Cable weight                                            | 29,7 g/m                                                       |
| Material jacket                                         | PUR                                                            |
| Shore hardness jacket                                   | 58 ± 3 Shore D                                                 |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                                 | 4,3 mm                                                         |
| Tolerance outer diameter (sheath)                       | ± 5 %                                                          |
| Material wire insulation                                | PP                                                             |
| Amount wires                                            | 3                                                              |
| Outer diameter insulation                               | 1,25 mm                                                        |
| Outer diameter tolerance core insulation                | ± 5 %                                                          |
| Shore hardness wire insulation                          | 74 ± 3 Shore D                                                 |
| Ingredient freeness wire insulation                     | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                                   | 42                                                             |
| Diameter of single wires                                | 0,1 mm                                                         |
| Conductor crosssection (wire)                           | 0,34 mm²                                                       |
| Material conductor wire                                 | Stranded copper wire, bare                                     |
| Conductor type (wire)                                   | strand class 6                                                 |
| Traversing distance (C-track)                           | 5 m @ 25 °C   horizontal                                       |
| Current load capacity (standard)                        | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                         | 6 A                                                            |
| Electrical resistance line constant wire                | 60 Ω/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                                        | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2            |
| chemical resistance                                     | Good, application-related testing                              |
| Gasoline resistance                                     | Good, application-related testing                              |
| Oil resistance                                          | DIN EN 60811-404   Good, application-related testing           |
| No. of bending cycles (C-track)                         | 10 Mio. @ 25 °C                                                |

|                          |                     |
|--------------------------|---------------------|
| Bending radius (fixed)   | 5 x Outer diameter  |
| Bending radius (dynamic) | 10 x Outer diameter |
| No. of torsion cycles    | 1 Mio.              |
| Torsion speed            | 35 cycles/min       |
| Torsion stress           | ± 360 °/m           |