

## M12 male 0° D-cod. / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 75m

Product fulfills requirements according to UN/ECE R118  
Ethernet CAT5

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

Male straight – male straight

M12 – RJ45, 4-pole

D-coded

shielded

8-pole partly used

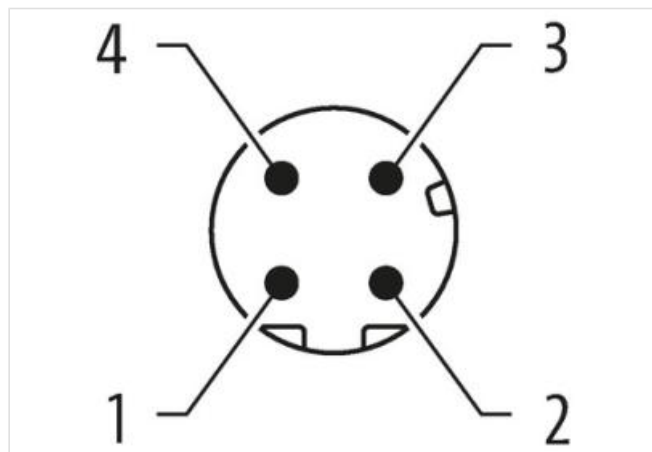
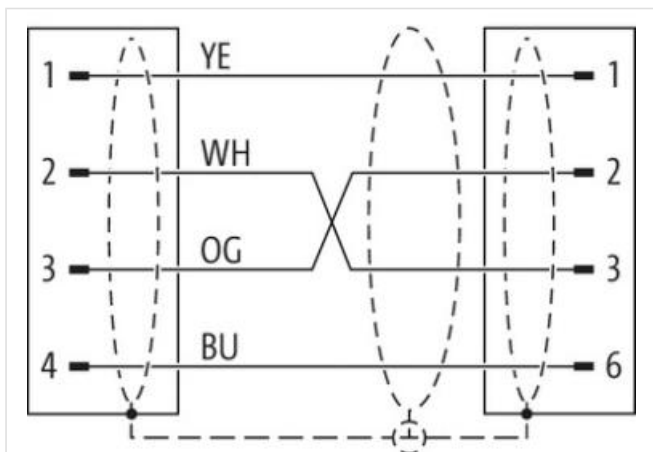
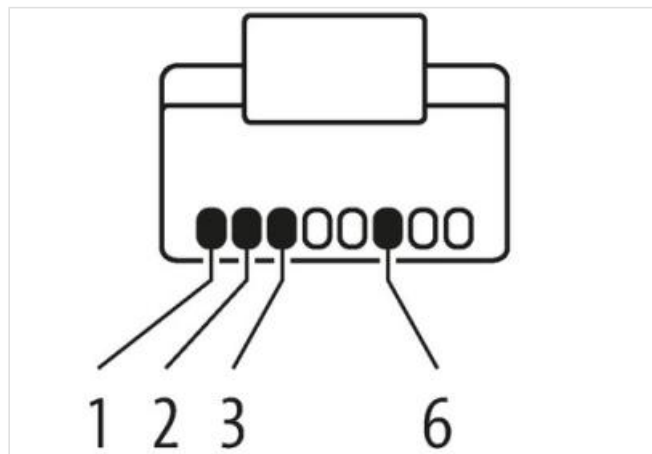
without cable sleeves

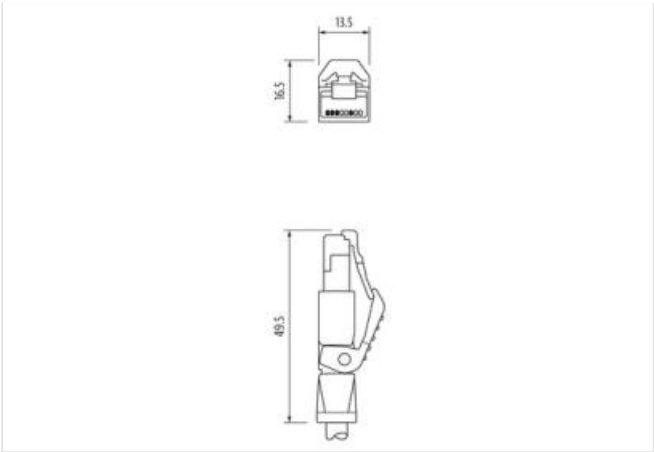
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

## 제품 링크

### 일러스트





실제 제품은 이미지와 다를 수 있습니다.



|                                                   |                                                  |
|---------------------------------------------------|--------------------------------------------------|
| Cable length                                      | 75 m                                             |
| Side 1                                            |                                                  |
| Tightening torque                                 | 0,6 Nm                                           |
| Family construction form                          | M12                                              |
| Thread                                            | M12 x 1                                          |
| Coding                                            | D                                                |
| Width across flats                                | SW13                                             |
| Degree of protection (EN IEC 60529)               | IP67                                             |
| Side 2                                            |                                                  |
| Family construction form                          | RJ45                                             |
| Degree of protection (EN IEC 60529)               | IP20                                             |
| 제품자료                                              |                                                  |
| ECLASS-6.0                                        | 27061801                                         |
| ECLASS-6.1                                        | 27060307                                         |
| ECLASS-7.0                                        | 27060307                                         |
| ECLASS-8.0                                        | 27060307                                         |
| ECLASS-9.0                                        | 27060307                                         |
| ECLASS-10.1                                       | 27060307                                         |
| ECLASS-11.1                                       | 27060307                                         |
| ECLASS-12.0                                       | 27060307                                         |
| ETIM-5.0                                          | EC002599                                         |
| GTIN                                              | 4048879815086                                    |
| 세번부호                                              | 85444290                                         |
| 포장단위                                              | 1                                                |
| Electrical data   Supply                          |                                                  |
| Operating voltage DC max.                         | 60 V                                             |
| Operating voltage DC max. (UL-listed)             | 30 V                                             |
| Current operating per contact max.                | 1,5 A                                            |
| Industrial communication                          |                                                  |
| Transfer parameters                               | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max.                       | 100 MBit/s                                       |
| Industrial communication   Ethernet functionality |                                                  |

duplex

Full duplex

| Device protection   Electrical           |                                                                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pollution Degree                         | 3                                                                                                                                                     |
| Rated surge voltage                      | 1 kV                                                                                                                                                  |
| Material group (IEC 60664-1)             | I                                                                                                                                                     |
| Mechanical data                          |                                                                                                                                                       |
| Contour for corrugated hose              | without                                                                                                                                               |
| 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                                                                                                                            |
| 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                     | 796                                                                                                                                                   |
| Jacket Color                             | green                                                                                                                                                 |
| Type of Certificate                      | cURus                                                                                                                                                 |
| Amount stranding                         | 1                                                                                                                                                     |
| Stranding                                | 4 wires around Core filler twisted                                                                                                                    |
| Cable shielding (type)                   | copper braid, tinned                                                                                                                                  |
| Cable shielding (coverage)               | 85 %                                                                                                                                                  |
| Banding                                  | Fleece, Foil                                                                                                                                          |
| Filler                                   | yes                                                                                                                                                   |
| wire arrangement                         | white, yellow, blue, orange                                                                                                                           |
| Cable weight                             | 69,3 g/m                                                                                                                                              |
| Material jacket                          | PUR                                                                                                                                                   |
| Shore hardness jacket                    | 89 Shore A                                                                                                                                            |
| Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                        |
| Outer-diameter (jacket)                  | 6,7 mm                                                                                                                                                |
| Tolerance outer diameter (sheath)        | ± 5 %                                                                                                                                                 |
| Material inner jacket                    | FRNC                                                                                                                                                  |
| Color (inner jacket)                     | natur                                                                                                                                                 |
| Material wire insulation                 | PE                                                                                                                                                    |
| Amount wires                             | 4                                                                                                                                                     |
| Outer diameter insulation                | 1,4 mm                                                                                                                                                |
| Outer diameter tolerance core insulation | ± 5 %                                                                                                                                                 |
| Shore hardness wire insulation           | 65 Shore D                                                                                                                                            |
| Ingredient freeness wire insulation      | lead-free, CFC-free, halogen-free                                                                                                                     |
| Amount strands (wire)                    | 7                                                                                                                                                     |
| Diameter of single wires                 | 22 AWG                                                                                                                                                |
| Conductor crosssection (wire)            | 22 AWG                                                                                                                                                |

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| Material conductor wire                           | Stranded copper wire, bare                           |
| Traversing distance (C-track)                     | 5 m @ 25 °C                                          |
| Travel speed (C-track)                            | 3 Mio. @ 25 °C                                       |
| Travel speed (C-track)                            | 3,3 m/s @ 25 °C                                      |
| Nominal voltage AC max.                           | 300 V                                                |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 4,8 A                                                |
| Characteristic impedance                          | 100 Ω ± 15 % @ 100 MHz                               |
| Electrical resistance line constant wire          | 55 Ω/km @ 20 °C                                      |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                          |
| Electrical capacity line constant (wire - wire)   | 50000 pF/km                                          |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                          |
| AC withstand voltage (wire - shield)              | 2 kV @ 60 s                                          |
| Loop resistance                                   | 5000 MΩ × km                                         |
| Min. operating temperature (static)               | -40 °C                                               |
| Max. operating temperature (fixed)                | 80 °C                                                |
| Operating temperature min. (dynamic)              | -30 °C                                               |
| Operating temperature max. (dynamic)              | 70 °C                                                |
| 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 |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 12 x Outer diameter                                  |
| No. of torsion cycles                             | 1 Mio. 25 °C                                         |
| Torsion stress                                    | ± 180 °/m                                            |