

# **M8 male 90° A-cod. / RJ45 male 0° shielded**

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 7.5m

Ethernet CAT5

Male 90° – male straight

M8 – RJ45, 4-pole  
shielded

Attention: Contact carrier turned to 180°!

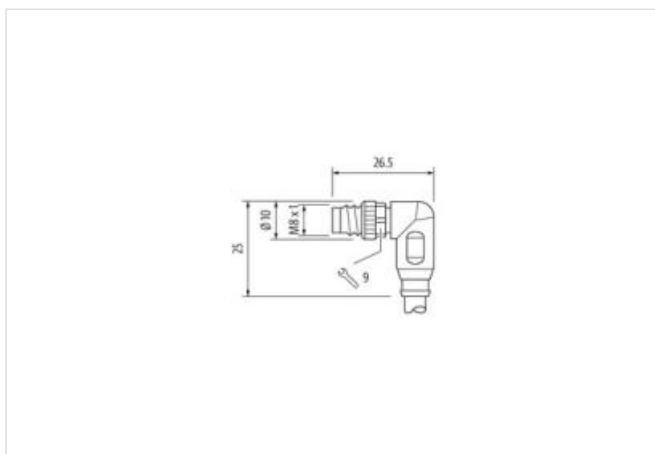
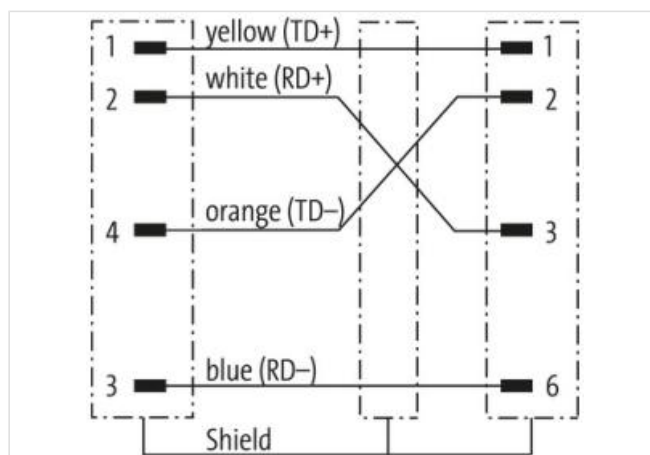
Further cable lengths on request.

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.

## [Link til artikel](#)

### Billede



Male (180°)



Male





Produktet kan afvige fra billedet

|                                                   |                                                  |
|---------------------------------------------------|--------------------------------------------------|
| Cable length                                      | 7,5 m                                            |
| Side 1                                            |                                                  |
| Tightening torque                                 | 0,4 Nm                                           |
| Family construction form                          | M8                                               |
| Thread                                            | M8 x 1                                           |
| suitable for corrugated tube (internal Ø)         | 6,5 mm                                           |
| Width across flats                                | SW9                                              |
| Degree of protection (EN IEC 60529)               | IP65, IP66K, IP67                                |
| Side 2                                            |                                                  |
| Family construction form                          | RJ45                                             |
| Degree of protection (EN IEC 60529)               | IP20                                             |
| Commercial data                                   |                                                  |
| 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                                         |
| customs tariff number                             | 85444290                                         |
| GTIN                                              | 4048879611305                                    |
| Pakke-enhed                                       | 1                                                |
| Electrical data   Supply                          |                                                  |
| Operating voltage AC max.                         | 30 V                                             |
| Operating voltage DC max.                         | 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 0,8 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. -20 °C

Operating temperature max. 80 °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 **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

#### Installation | Cable

Cable identification 791

Jacket Color green

Type of Certificate cURus

Amount stranding 1

Stranding 4 wires star-shaped twisted

Cable shielding (type) copper braid, tinned

Cable shielding (coverage) 85 %

Banding Fiber tape, Fleece, Foil

Filler yes

wire arrangement white, orange, blue, yellow

Cable weight 59,4 g/m

Material jacket PUR

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

Outer-diameter (jacket) 4,9 mm

Tolerance outer diameter (sheath)  $\pm 5 \%$

Material wire insulation PP

Amount wires 4

Outer diameter insulation 1,04 mm

Outer diameter tolerance core insulation  $\pm 5 \%$

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

Amount strands (wire) 19

Diameter of single wires 26 AWG

Conductor crosssection (wire) 26 AWG

Material conductor wire copper stranded wire, tinned

Traversing distance (C-track) 5 m

Nominal voltage AC max. 300 V

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

Current load capacity min. wire 2,4 A

Characteristic impedance  $100 \Omega \pm 15 \% @ 100 \text{ MHz}$

Electrical resistance line constant wire  $140 \Omega/\text{km}$

AC withstand voltage (wire - wire) 0,7 kV @ 60 s

Electric capacitance  $51000 \text{ pF/km}$

Power frequency withstand voltage (wire - jacket) 0,7 kV @ 60 s

AC withstand voltage (wire - shield) 0,7 kV @ 60 s

|                                      |                                                      |
|--------------------------------------|------------------------------------------------------|
| 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 § 1100 FT2   UL 1581 § 1090  |
| 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)               | 7,5 x Outer diameter                                 |
| Bending radius (dynamic)             | 12,5 x Outer diameter                                |