

# **M12 female recept. Y-cod. shielded rear**

PUR AWG20/26 shielded gn UL/CSA+drag ch. 0.6m

Ethernet CAT5

Flange female

Good chemical and oil resistance (oil resistance does not apply to use with PVC cable)

M12, 8-pole

Y-coded

shielded

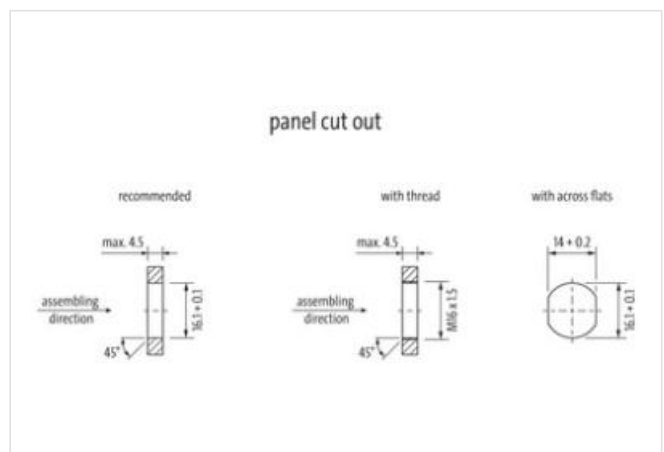
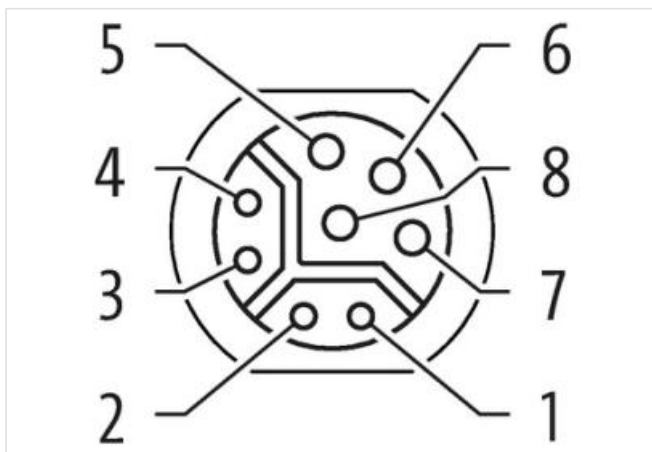
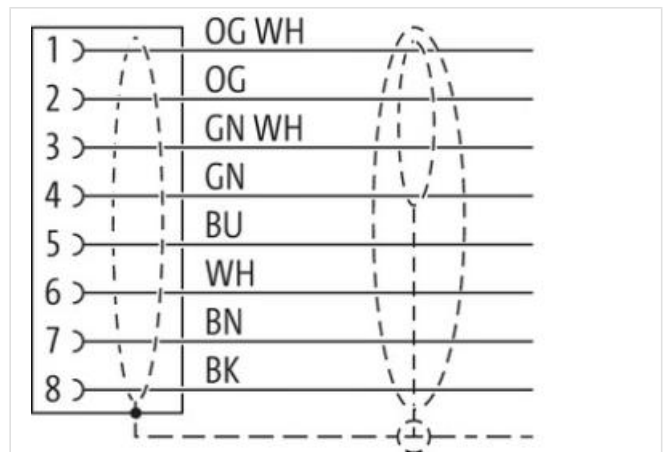
Transmission properties with channel transmission up to 50 m

Further cable lengths on request.

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

[Link til artikel](#)

## **Billede**





Produktet kan afvige fra billedet



|                                          |                   |
|------------------------------------------|-------------------|
| Cable length                             | 0,6 m             |
| Side 1                                   |                   |
| Tightening torque                        | 0,6 Nm            |
| Mounting method                          | inserted, screwed |
| Coating head                             | nickel plated     |
| Family construction form                 | M12               |
| Thread                                   | M12 x 1           |
| Coding                                   | Y                 |
| Material                                 | Brass             |
| No. of poles                             | 8                 |
| Degree of protection (EN IEC 60529)      | IP67              |
| Commercial data                          |                   |
| ECLASS-6.0                               | 27279220          |
| ECLASS-6.1                               | 27279220          |
| ECLASS-7.0                               | 27440103          |
| ECLASS-8.0                               | 27440103          |
| ECLASS-9.0                               | 27440103          |
| ECLASS-10.1                              | 27440103          |
| ECLASS-11.1                              | 27440103          |
| ECLASS-12.0                              | 27440103          |
| ETIM-5.0                                 | EC001855          |
| customs tariff number                    | 85444290          |
| GTIN                                     | 4048879536387     |
| Pakke-enhed                              | 1                 |
| Electrical data   Supply                 |                   |
| Operating voltage AC max.                | 50 V              |
| Operating voltage DC max.                | 50 V              |
| Operating voltage AC (UL-listed)         | 30 V              |
| Operating voltage DC (UL-listed)         | 30 V              |
| Operating current per data contact max.  | 0,5 A             |
| Operating current per power contact max. | 6 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 |
|--------|-------------|

#### Installation | Connection

|              |           |
|--------------|-----------|
| Mounting set | M16 x 1.5 |
|--------------|-----------|

|                    |      |
|--------------------|------|
| Width across flats | SW19 |
|--------------------|------|

#### Device protection | Electrical

|                 |          |
|-----------------|----------|
| Protection NEMA | 3, 4, 6P |
|-----------------|----------|

|                                        |                   |
|----------------------------------------|-------------------|
| Additional condition protection degree | inserted, screwed |
|----------------------------------------|-------------------|

|                  |   |
|------------------|---|
| Pollution Degree | 3 |
|------------------|---|

|                     |        |
|---------------------|--------|
| Rated surge voltage | 0,8 kV |
|---------------------|--------|

|                              |   |
|------------------------------|---|
| Material group (IEC 60664-1) | I |
|------------------------------|---|

#### Mechanical data | Material data

|                 |               |
|-----------------|---------------|
| Coating housing | nickel plated |
|-----------------|---------------|

|                 |               |
|-----------------|---------------|
| Coating locking | nickel plated |
|-----------------|---------------|

|                    |               |
|--------------------|---------------|
| Coating of fitting | nickel plated |
|--------------------|---------------|

|                  |       |
|------------------|-------|
| Locking material | Brass |
|------------------|-------|

|                           |       |
|---------------------------|-------|
| Material screw connection | Brass |
|---------------------------|-------|

#### Mechanical data | Mounting data

|                 |                |
|-----------------|----------------|
| Mounting method | Schraubgewinde |
|-----------------|----------------|

|                    |                |
|--------------------|----------------|
| Looking techniques | Schraubgewinde |
|--------------------|----------------|

#### 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. |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Approvals

|        |     |
|--------|-----|
| UL 50E | yes |
|--------|-----|

#### Installation | Cable

|                      |     |
|----------------------|-----|
| Cable identification | 805 |
|----------------------|-----|

|              |       |
|--------------|-------|
| Jacket Color | green |
|--------------|-------|

|                     |       |
|---------------------|-------|
| Type of Certificate | cURus |
|---------------------|-------|

|                  |   |
|------------------|---|
| Amount stranding | 1 |
|------------------|---|

|           |                                 |
|-----------|---------------------------------|
| Stranding | 4 wires around 1 Filler twisted |
|-----------|---------------------------------|

|                           |   |
|---------------------------|---|
| Amount stranding (type 2) | 1 |
|---------------------------|---|

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| Stranding (type 2) | 4 wires around Stranding combination with Filler twisted |
|--------------------|----------------------------------------------------------|

|                        |                      |
|------------------------|----------------------|
| Cable shielding (type) | copper braid, tinned |
|------------------------|----------------------|

|                            |      |
|----------------------------|------|
| Cable shielding (coverage) | 85 % |
|----------------------------|------|

|                       |                      |
|-----------------------|----------------------|
| Pair shielding (type) | copper braid, tinned |
|-----------------------|----------------------|

|         |              |
|---------|--------------|
| Banding | Fleece, Foil |
|---------|--------------|

|        |     |
|--------|-----|
| Filler | yes |
|--------|-----|

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| wire arrangement | black, brown, white, blue, (orange-white, green, orange, green-white) |
|------------------|-----------------------------------------------------------------------|

|              |           |
|--------------|-----------|
| Cable weight | 107,8 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) | 8,1 mm |
|-------------------------|--------|

|                                                   |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| Tolerance outer diameter (sheath)                 | ± 5 %                                                          |
| Material wire insulation                          | PP                                                             |
| Amount wires                                      | 4                                                              |
| Outer diameter insulation                         | 1,5 mm                                                         |
| Outer diameter tolerance core insulation          | ± 5 %                                                          |
| Shore hardness wire insulation                    | 55 ± 5 Shore D                                                 |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                             | 19                                                             |
| Diameter of single wires                          | 20 AWG                                                         |
| Conductor crosssection (wire)                     | 20 AWG                                                         |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Material wire insulation (Data)                   | PP                                                             |
| Outer diameter wire insulation (Data)             | 1,1 mm                                                         |
| Tolerance outer diameter wire insulation (data)   | ± 5 %                                                          |
| Shore hardness wire insulation (Data)             | 55 ± 5 Shore D                                                 |
| Ingredient freeness wire insulation (Data)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount wires (Data)                               | 4                                                              |
| Amount strands wire (Data)                        | 19                                                             |
| Diameter of single wires (Data)                   | 26 AWG                                                         |
| Conductor crosssection wire (Data)                | 26 AWG                                                         |
| Material conductor wire (Data)                    | Stranded copper wire, bare                                     |
| Traversing distance (C-track)                     | 5 m                                                            |
| Nominal voltage AC max.                           | 60 V                                                           |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                   | 5,9 A                                                          |
| Current load capacity min. Wire (Data)            | 2 A                                                            |
| Characteristic impedance                          | 100 Ω ± 15 % @ 1 MHz                                           |
| Electrical resistance line constant wire          | 35 Ω/km                                                        |
| Electrical resistance coating wire (Data)         | 140 Ω/km                                                       |
| AC withstand voltage (wire - wire)                | 1 kV @ 60 s                                                    |
| Electrical capacity line constant (wire - wire)   | 52000 pF/km                                                    |
| Power frequency withstand voltage (wire - jacket) | 1 kV @ 60 s                                                    |
| AC withstand voltage (wire - shield)              | 1 kV @ 60 s                                                    |
| Min. operating temperature (static)               | -50 °C                                                         |
| Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic)              | -40 °C                                                         |
| Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090            |
| chemical resistance                               | Good, application-related testing                              |
| Gasoline resistance                               | Good, application-related testing                              |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404           |
| Bending radius (installation)                     | x Outer diameter                                               |
| Bending radius (fixed)                            | 5 x Outer diameter                                             |
| Bending radius (dynamic)                          | 10 x Outer diameter                                            |
| Travel speed (C-track)                            | 5 Mio.                                                         |
| No. of torsion cycles                             | 2 Mio.                                                         |
| Torsion stress                                    | ± 30 °/m                                                       |
| Torsion speed                                     | 35 cycles/min                                                  |