

M12 male 0° / M12 female 0° Y-cod. shielded

PUR AWG20/26 shielded gn UL/CSA+drag ch. 18m

Ethernet CAT5

Male straight – female straight

M12 – M12, 8-pole

Y-coded

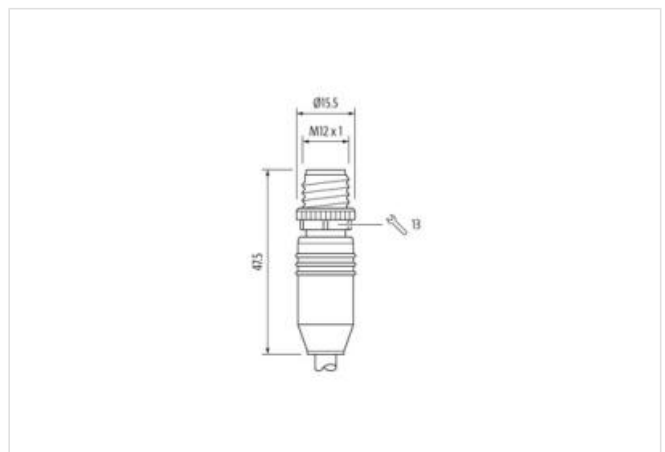
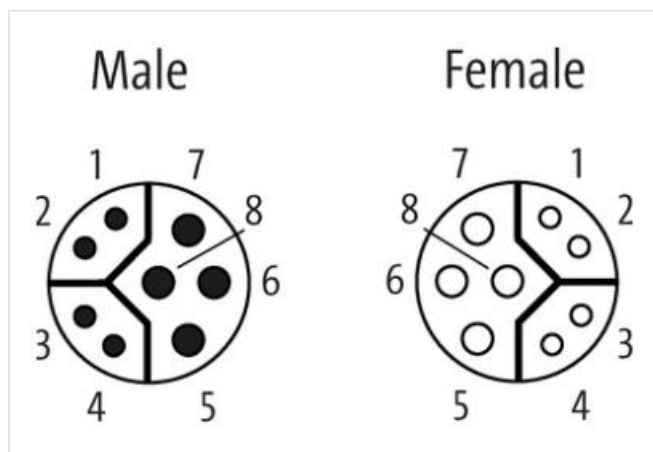
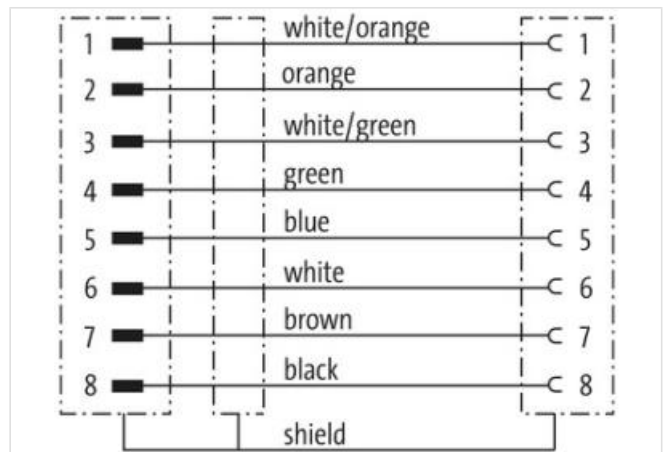
shielded

Transmission properties with channel transmission up to 50 m

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 to Product](#)**Illustration**



Product may differ from Image



| | |
|----------------------------------|---------------|
| Cable length | 18 m |
| Side 1 | |
| Tightening torque | 0,6 Nm |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | Y |
| Material | PUR |
| Width across flats | SW13 |
| Side 2 | |
| Tightening torque | 0,6 Nm |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | Y |
| Material | PUR |
| 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 | EC000830 |
| customs tariff number | 85444290 |
| GTIN | 4065909004524 |
| Packaging unit | 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 |

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|---|-------|
| Operating current per data contact max. | 0,5 A |
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|--|-----|
| Operating current per power contact max. | 6 A |
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Industrial communication

| | |
|---------------------|--------------------------------|
| Transfer parameters | CAT5e, Class D (ISO/IEC 11801) |
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|-----------------------------|------------|
| Data transmission rate max. | 100 MBit/s |
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Industrial communication | Ethernet functionality

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|--------|-------------|
| duplex | Full duplex |
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Device protection | Electrical

| | |
|-------------------------------------|-------------------------|
| Degree of protection (EN IEC 60529) | IP65, IP67, IP68, IP66K |
|-------------------------------------|-------------------------|

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

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

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

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

Mechanical data | Material data

| | |
|-----------------|----------|
| Coating locking | Nickeled |
|-----------------|----------|

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|------------------|------------------|
| Locking material | Zinc die-casting |
|------------------|------------------|

Mechanical data | Mounting data

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|-----------------|---------------------------------------|
| Mounting method | inserted, screwed, Shaking protection |
|-----------------|---------------------------------------|

Environmental characteristics | Climatic

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|----------------------------|--------|
| Operating temperature min. | -25 °C |
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|----------------------------|-------|
| Operating temperature max. | 85 °C |
|----------------------------|-------|

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|--|----------------------------|
| Additional condition temperature range | depending on cable quality |
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Important installation notes

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| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
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| 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

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|----------------------|-----|
| Cable identification | 805 |
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|--------------|-------|
| Jacket Color | green |
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|---------------------|-------|
| Type of Certificate | cURus |
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| Amount stranding | 1 |
|------------------|---|

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

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

| | |
|--------------------|--|
| Stranding (type 2) | 4 wires around Stranding combination with Filler twisted |
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|------------------------|----------------------|
| Cable shielding (type) | copper braid, tinned |
|------------------------|----------------------|

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| Cable shielding (coverage) | 85 % |
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|-----------------------|----------------------|
| Pair shielding (type) | copper braid, tinned |
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|---------|--------------|
| Banding | Fleece, Foil |
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| Filler | yes |
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| wire arrangement | black, brown, white, blue, (orange-white, green, orange, green-white) |
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|--------------|-----------|
| Cable weight | 107,8 g/m |
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| Material jacket | PUR |
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| Shore hardness jacket | 90 ± 5 Shore A |
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| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
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|-------------------------|--------|
| Outer-diameter (jacket) | 8,1 mm |
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|-----------------------------------|-------|
| Tolerance outer diameter (sheath) | ± 5 % |
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|--------------------------|----|
| Material wire insulation | PP |
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|--------------|---|
| Amount wires | 4 |
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|---------------------------|--------|
| Outer diameter insulation | 1,5 mm |
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| Outer diameter tolerance core insulation | ± 5 % |
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|--------------------------------|----------------|
| Shore hardness wire insulation | 55 ± 5 Shore D |
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| 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 |