

Drive Cliq IP20 / M12 female 0° Y-cod. shielded

PVC AWG24+22 shielded gn UL/CSA+drag ch. 2.5m

Art.No.: 7000-SS601-8810250

Weight: 0.224

Country of origin: DE

Model designation: MSYBL0-RJ-24D881_2.5-ZS

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

If you are missing technical information? Please feel free to use our [dictionary](#) to find more technical details.

Product details:

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.

Plastic housings with good resistance against chemicals and oils.

Female straight – male straight

M12, 8-pole

DRIVE-CLiQ IP20, 10-pole

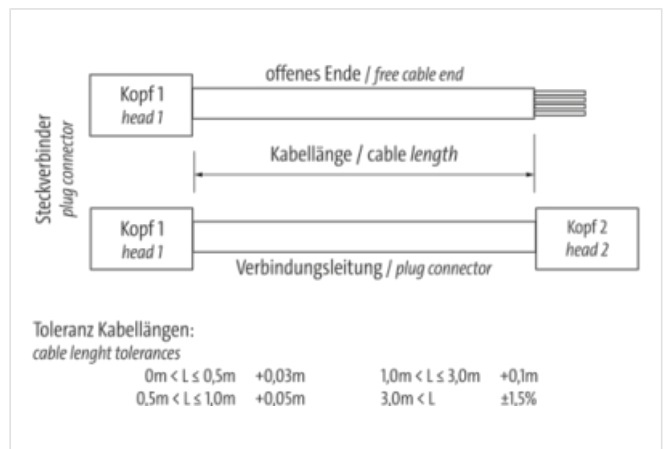
Y-coded

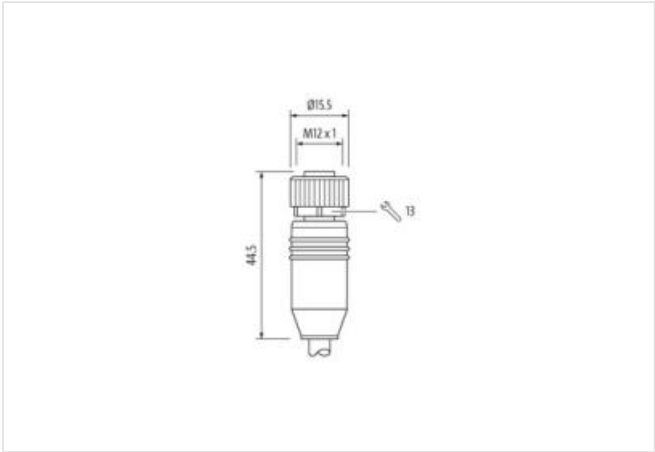
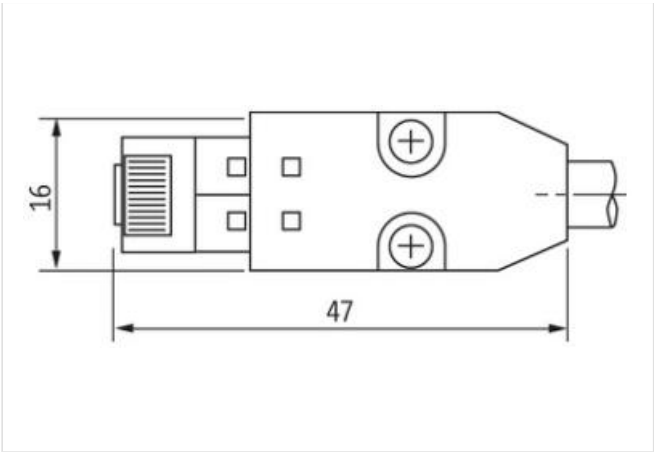
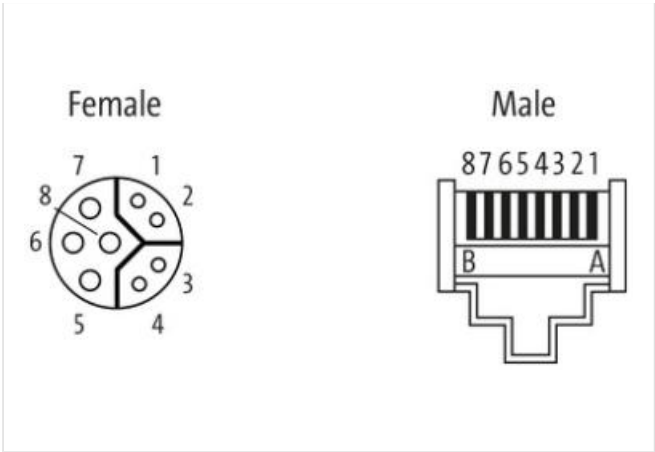
partly used

shielded

without cable sleeves

Ethernet CAT5

[Link to Product](#)**Illustration**



Product may differ from Image

Cable length 2,5 m

Side 1

Tightening torque 0,6 Nm
Family construction form M12
Thread M12 x 1
Coding Y
Width across flats SW13
Degree of protection (EN IEC 60529) IP67

Side 2

Family construction form DRIVE-CLiQ
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 EC000830
customs tariff number 85444290

| | |
|--|---|
| EAN | 4048879754996 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 50 V |
| Operating voltage DC max. | 50 V |
| Operating current per data contact max. | 0,5 A |
| Operating current per signal contact max. | 1,76 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 | 0,5 kV |
| Material group (IEC 60664-1) | II |
| Mechanical data | |
| Contour for corrugated hose | without |
| Mechanical data Material data | |
| Material housing | PUR |
| Coating locking | Nickeled |
| Material gasket | FKM |
| 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 | |
| wire arrangement | (green, yellow), (pink, blue), (red, black) |
| Cable identification | 881 |
| Function cable | Hybrid, Data, Power |
| Jacket Color | green |
| Type of Certificate | cURus |
| Amount stranding | 3 |
| Stranding | 2 wires with Filler twisted |
| Stranding (type 2) | 3 Stranded joints with Filler twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 85 % |
| Filler | yes |
| wire arrangement | (green, yellow), (pink, blue), (red, black) |
| Material jacket | PVC |
| Freedom from ingredients (jacket) | lead-free, CFC-free, silicone-free |
| Outer-diameter (jacket) | 6,95 mm |
| Tolerance outer diameter (sheath) | ± 5 % |
| Material wire insulation | PE |

| | |
|---|--|
| Amount wires | 4 |
| Outer diameter insulation | 1,03 mm |
| Outer diameter tolerance core insulation | ± 5 % |
| Ingredient freeness wire insulation | lead-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire) | 7 |
| Diameter of single wires | 24 AWG |
| Conductor crosssection (wire) | 24 AWG |
| Material conductor wire | Stranded copper wire, bare |
| Electrical function wire | Data |
| Material wire insulation (Power) | PE |
| Outer diameter wire insulation (Power) | 1,03 mm |
| Tolerance outer diameter wire insulation (Power) | ±5 % |
| Ingredient freeness wire insulation (Power) | lead-free, CFC-free, halogen-free |
| Amount wires (Power) | 2 |
| Amount strands wire (Power) | 7 |
| Diameter of single wires (Power) | 22 AWG |
| Wire conductor cross section (Power) | 22 AWG |
| Material conductor wire (Power) | copper stranded wire, tinned |
| Nominal voltage AC max. | 30 V |
| Electrical function wire | Data |
| Characteristic impedance | 100 Ω ± 15 % @ 1 MHz |
| Electrical resistance line constant wire | 90 Ω/km @ 20 °C |
| Electrical resistance coating wire (Power) | 55 Ω/km @20 °C |
| AC withstand voltage (wire - wire) | 0,5 kV @ 60 s |
| Electric capacitance | 50000 pF/km |
| Power frequency withstand voltage (wire - jacket) | 0,5 kV @ 60 s |
| AC withstand voltage (wire - shield) | 0,5 kV @ 60 s |
| Isolation resistance | 1000 MΩ × km |
| Min. operating temperature (static) | -20 °C |
| Max. operating temperature (fixed) | 80 °C |
| Operating temperature min. (dynamic) | 0 °C |
| Operating temperature max. (dynamic) | 60 °C |
| Flame resistance | UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | Good, application-related testing DIN EN 60811-404 |
| No. of bending cycles (C-track) | 0,1 Mio. @ 25 °C |
| Traversing distance (C-track) | 10 m @ 25 °C horizontal |
| Travel speed (C-track) | 0,5 m/s @ 25 °C |