

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

PVC AWG24+22 shielded gn UL/CSA+drag ch. 7m

Art.No.: 7000-SS601-8810700

Weight: 0.562 kg

Country of origin: DE

Model designation: MSYBL0-RJ-24D881\_7.0-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:

Female straight – male straight

M12, 8-pole

DRIVE-CLiQ IP20, 10-pole

Y-coded

partly used

Shielded

without cable sleeves

Ethernet CAT5

Transmission properties with channel transmission up to 50 m

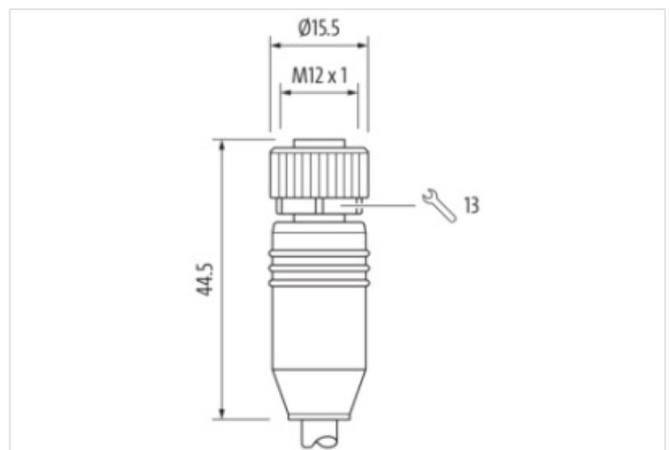
Further cable lengths on request.

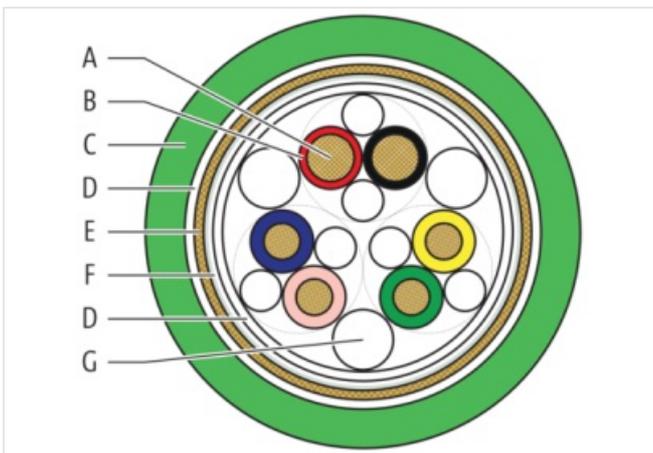
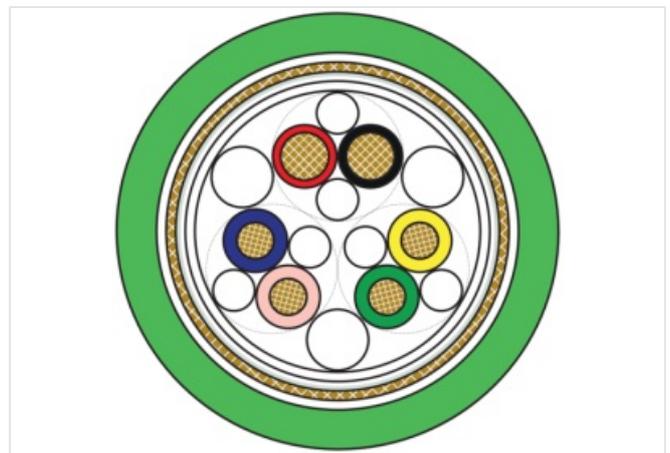
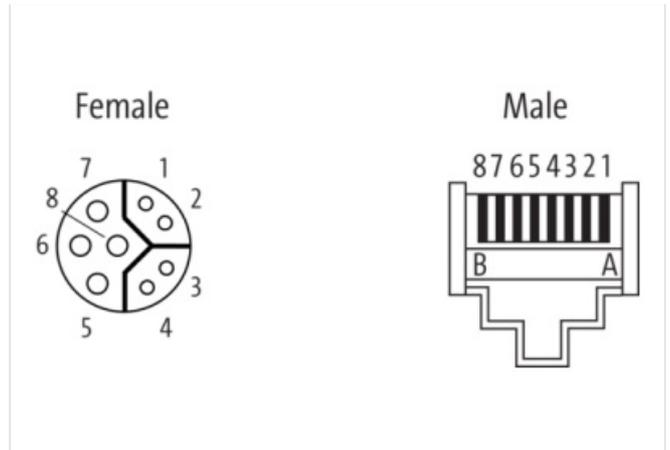
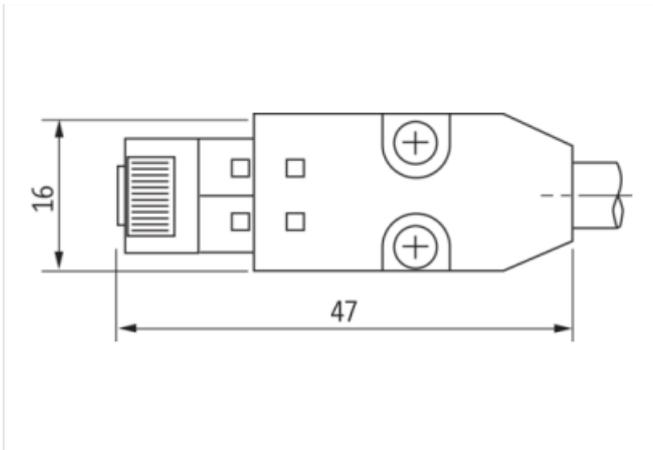
The resistance to aggressive media should be individually tested for your application. Further details on request.

Plastic housings with good resistance against chemicals and oils.

#### Link to Product

##### Illustration





Product may differ from Image



**Header**

Material short text

MSYBL0-RJ-24D881\_7.0-ZS

Cable length

7,00 m

**Side 1**

Family construction form	M12
Coding	Y
Threaded hole	M12 x 1
Tightening torque	0,6 Nm
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**

URL Webshop	<a href="https://shop.murrelektronik.com/7000-SS601-8810700">https://shop.murrelektronik.com/7000-SS601-8810700</a>
GTIN	4048879692588
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-7.1	27060307
ECLASS-8.0	27060307
ECLASS-8.1	27060307
ECLASS-9.0	27060307
ECLASS-9.1	27060307
ECLASS-10.0.1	27060307
ECLASS-10.1	27060307
ECLASS-11.0	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307
ECLASS-14.0	27060307
ETIM-5.0	EC000830
ETIM-6.0	EC000830
customs tariff number	85444290
EAN	4048879692588
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.	27.760 A

**Industrial Communication**

Data transmission rate max.	100 Mbit/s
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)

**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
------------------	-----

Locking material	Zinc die-casting
Coating locking	Nickeled
Material gasket	FKM
<b>Mechanical data   Mounting data</b>	
Mounting method	inserted, screwed, Shaking protection
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-20 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality
<b>Important installation notes</b>	
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.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
<b>Installation   Cable</b>	
Cable identification	881
Function cable	Hybrid
Amount stranding	3
Stranding	2 wires stranded with 2 fillers
Amount stranding (type 2)	1
Stranding (type 2)	3 stranding combinations stranded with 3 fillers
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Filler	Yes
Wire arrangement	(green, yellow), (pink, blue), (red, black)
Cable weight	69 g/m
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,03 mm
Outer diameter tolerance core insulation	+ 0,02 mm
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	7
Diameter of single wires	32 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	Stranded copper wire, bare
Material wire insulation (type 2)	PE
Outer diameter wire insulation (type 2)	1,03 mm
Tolerance outer diameter wire insulation (type 2)	± 0,02 mm
Ingredient freeness wire insulation (type 2)	lead-free, CFC-free, halogen-free, silicone-free
Amount wires (type 2)	2
Amount strands wire (type 2)	19
Diameter of single wires (type 2)	34 AWG
Conductor crosssection wire (type 2)	22 AWG
Material conductor wire (type 2)	copper stranded wire, tinned
Outer-diameter (jacket)	6,95 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PVC
Freedom from ingredients (jacket)	lead-free, CFC-free, silicone-free
Conductor resistance (wire)	90 Ω/km @ 20 °C
Electric capacitance	50.000 pF/km
Isolation resistance	1.000 MΩ × km
Nominal voltage max.	30 V
Withstand voltage (wire - wire)	0.5 kV @ 60 s

Withstand voltage (wire - jacket)	0.5 kV @ 60 s
Withstand voltage (wire - shield)	0.5 kV @ 60 s
Characteristic impedance	100 $\Omega$ $\pm$ 15 % @ 1 MHz
Operating temperature min. (static)	-20 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	0 °C
Operating temperature max. (dynamic)	60 °C
Operating temperature min. (drag chain)	0 °C
Operating temperature max. (drag chain)	60 °C
Flame resistance	IEC 60332-1-2, IEC 60332-3-24
Oil resistance	IEC 60811-404, UL 1581
Bending radius (fixed)	18 $\times$ Outer diameter
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
Acceleration (C-track)	2 m/s <sup>2</sup> @ 25 °C