

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

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 1.5m

Art.No.: 7000-89737-7910150

Weight: 0.070 kg

Country of origin: DE

Model designation: MSRDL0-H-\*791\_1.5

Ethernet CAT5

Male straight – male 90° on top

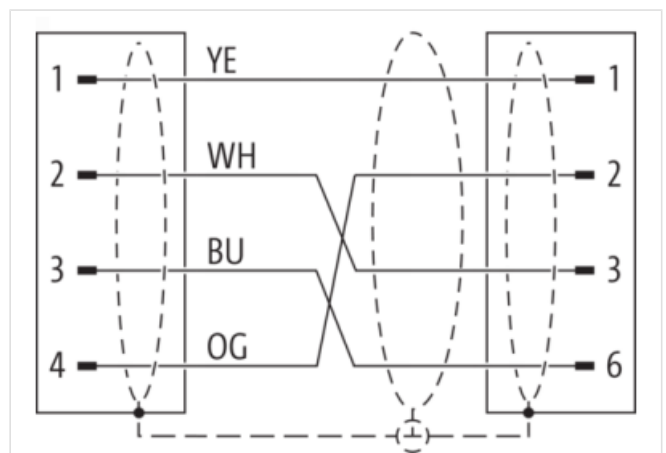
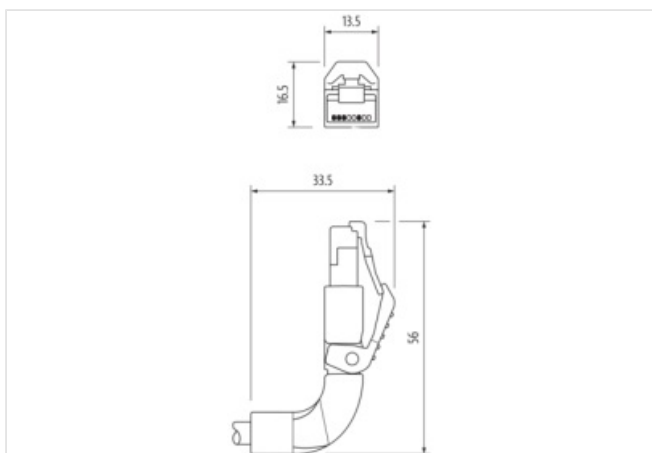
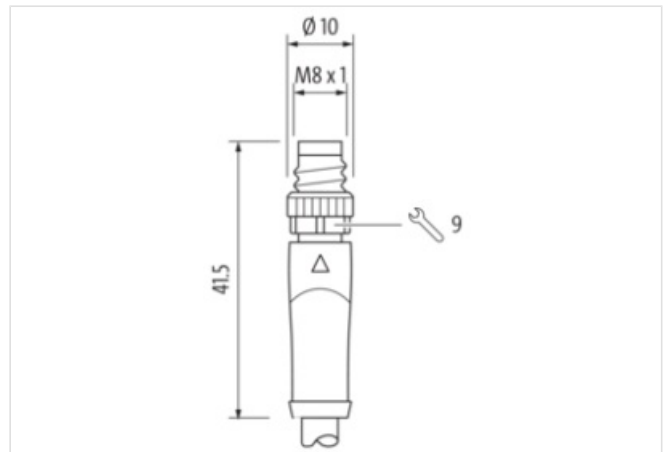
M12 – RJ45, 4-pole

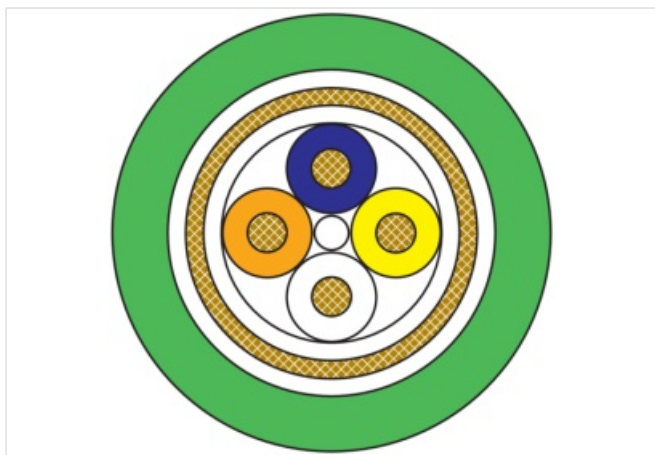
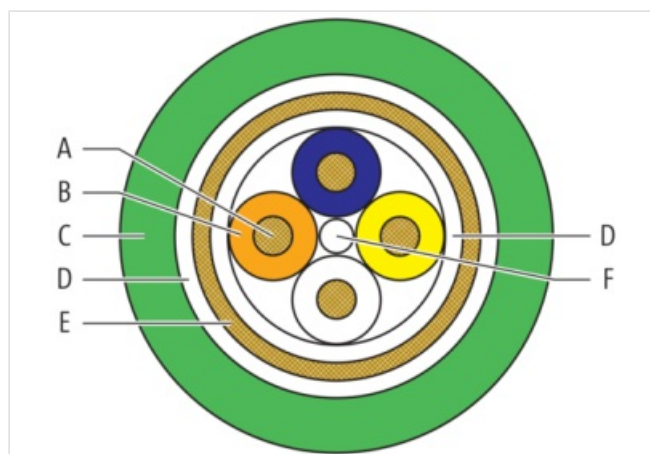
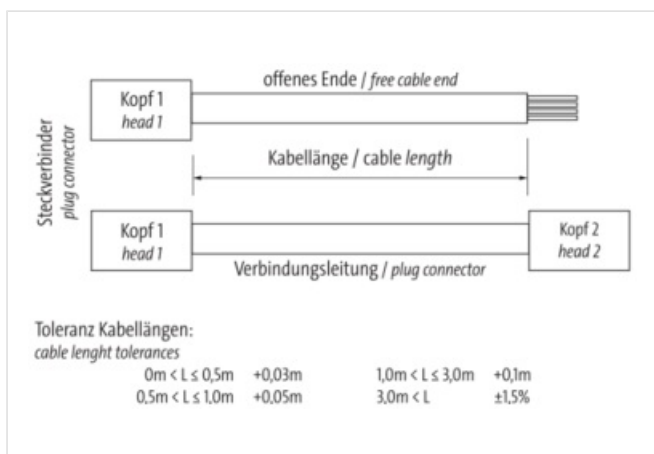
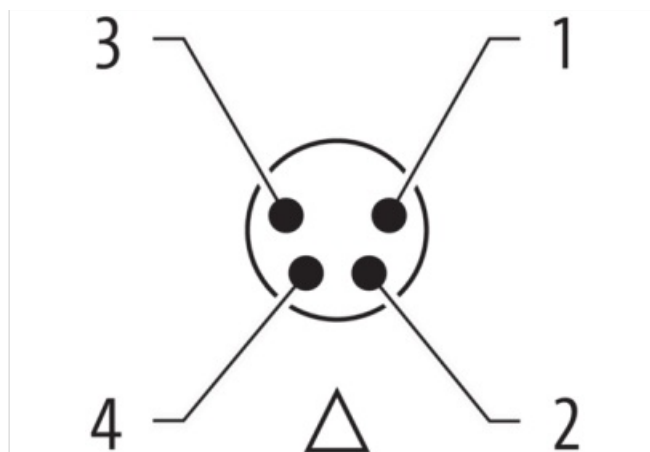
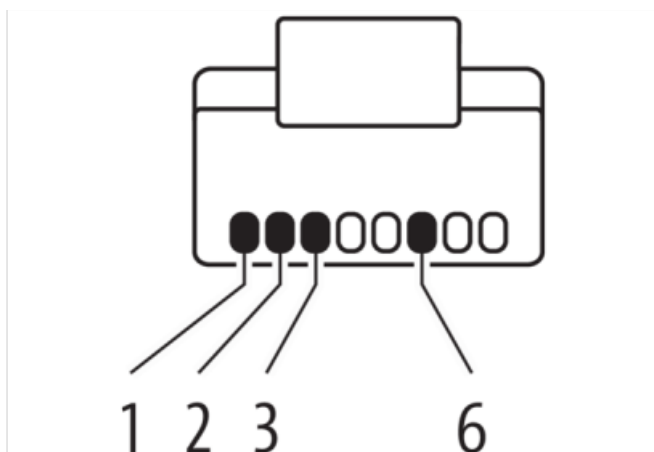
shielded

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



## Header

### Material short text

MSRDL0-H-\*791\_1.5

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Cable length

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1,50 m

## Side 1

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-12-17

Family construction form	M8
No. of poles	4
Coding	A
Gender	male
Mounting method	inserted, screwed
Threaded hole	M8 x 1
Tightening torque	0,4 Nm
Width across flats	SW9
Cable outlet	straight
suitable for corrugated tube (internal Ø)	8,5 mm
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65

**Side 2**

Family construction form	RJ45
No. of poles	4
Gender	male
Mounting method	pluggable
Cable outlet	angled
Degree of protection (EN IEC 60529)	IP20

**Commercial data**

URL Webshop	<a href="https://shop.murrelektronik.com/7000-89737-7910150">https://shop.murrelektronik.com/7000-89737-7910150</a>
GTIN	4065909009260
ECLASS-6.0	27279221
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
customs tariff number	85444290
EAN	4065909009260
Packaging unit	1
customs tariff number	85444290
EAN	4065909009260
Packaging unit	1

**Electrical data | Supply**

Operating voltage DC max.	60 V
Current operating per contact max.	1,5 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
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**Diagnostics**

Status indication LED no

#### Device protection | Electrical

Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I

#### Mechanical data | Material data

Material housing	PUR
Color housing	Black
Color contact carrier	green
Locking material	Brass
Coating locking	nickel plated

#### Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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#### Environmental characteristics | Climatic

Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality

#### Important installation notes

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.

#### Conformity

Product standard	EN/IEC 61076-2-104 (M8), EN IEC 60603-7 (RJ45)
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#### Installation | Cable

Cable identification	791
Function cable	Data
Amount stranding	1
Stranding	Wires
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fiber tape, Fleece, Foil
Filler	yes
Cable weight	34 g/m
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,04 mm
Outer diameter tolerance core insulation	± 0,05 mm
Shore hardness wire insulation	55 ± 3 Shore D
Ingredient freeness wire insulation	CFC-free, halogen-free, lead-free
Amount strands (wire)	19
Diameter of single wires	38 AWG
Conductor crosssection (wire)	26 AWG
Material conductor wire	Stranded copper wire, bare
Outer-diameter (jacket)	4,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 ± 3 Shore A
Freedom from ingredients (jacket)	CFC-free, halogen-free, lead-free
Conductor resistance (wire)	140 Ω/km
Electric capacitance	51.000 pF/km
Isolation resistance	5.000 MΩ × km

Nominal voltage AC max.	125 V
Withstand voltage (wire - wire)	0.7 kV @ 60 s
Withstand voltage (wire - jacket)	0.7 kV @ 60 s
Withstand voltage (wire - shield)	0.7 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2,4 A
Characteristic impedance	100 $\Omega$ 15 MHz
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Bending radius (fixed)	7.5 × Outer diameter
Bending radius (dynamic)	12.5 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	5 m/s <sup>2</sup> @ 25 °C