

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

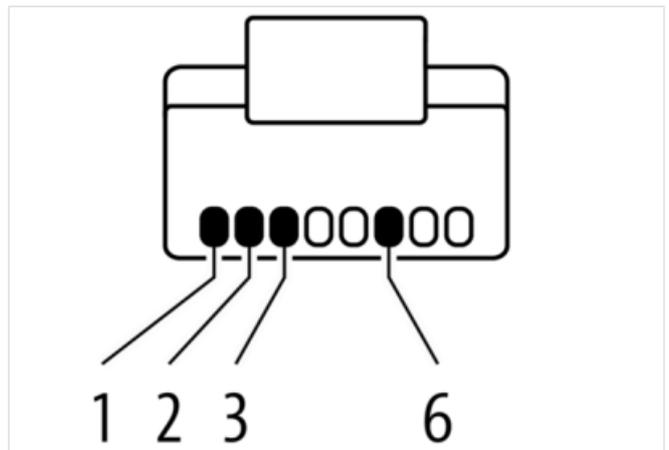
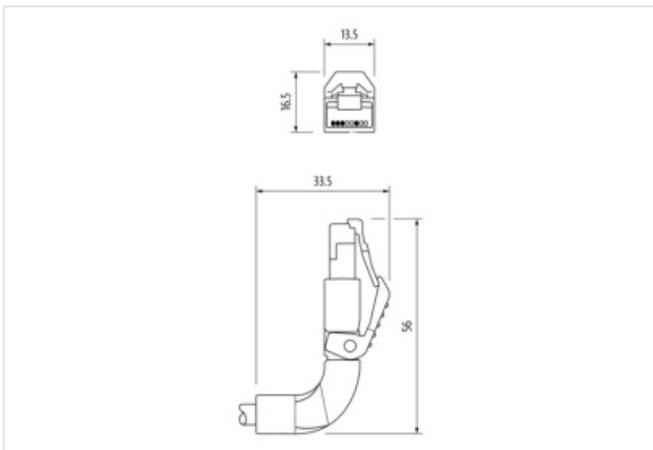
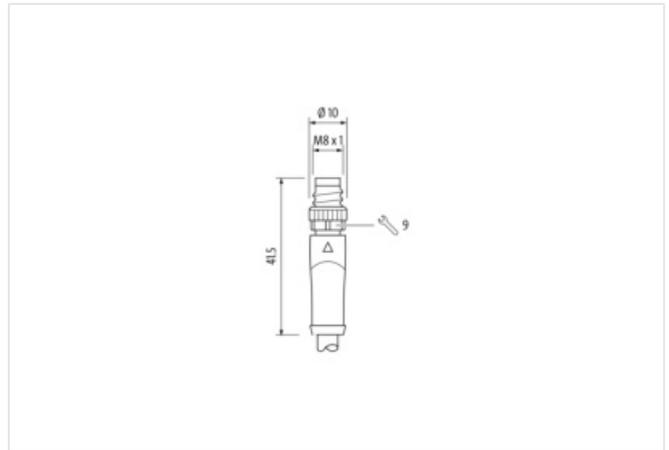
M12 – RJ45, 4-pole

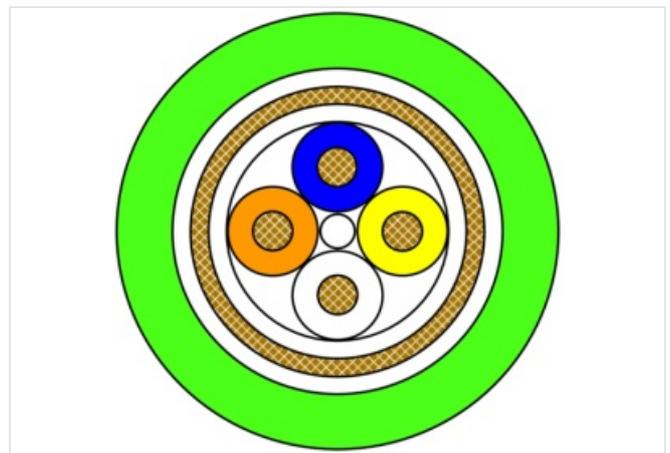
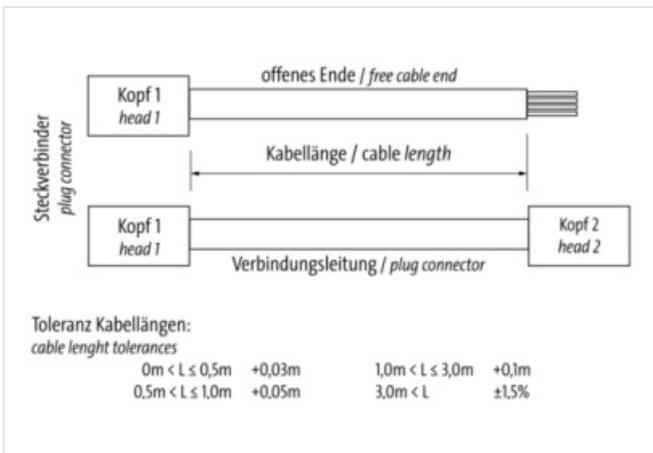
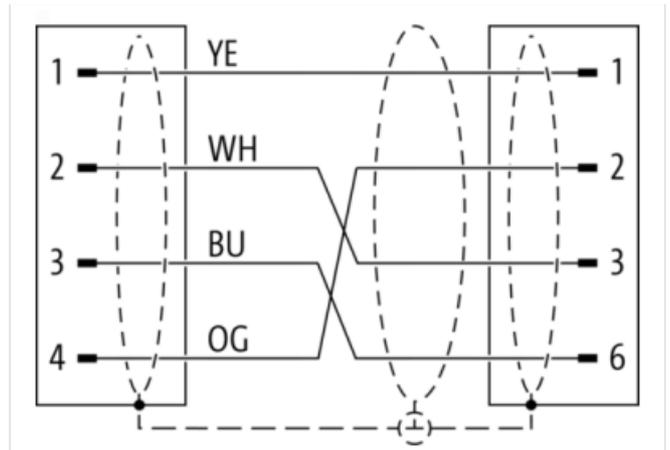
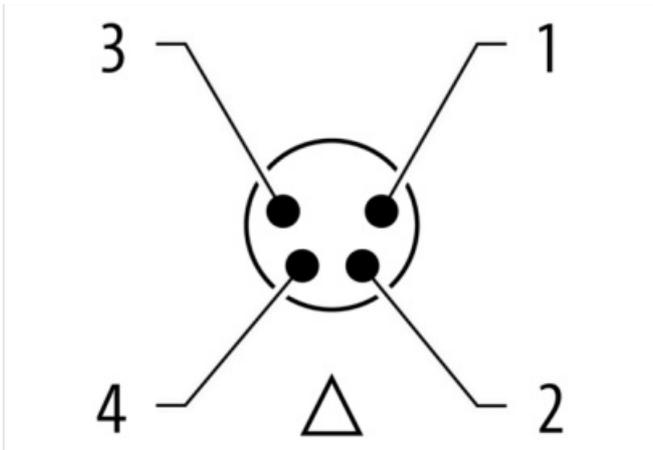
Shielded

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



Cable length 1,50 m

Side 1

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	https://shop.murrelektronik.com/7000-89737-7910150
GTIN	4065909009260
Customs tariff number	85444290
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

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
--------	-------------

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

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
-----------------	---------------------------------------

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	Attention: 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)
------------------	--

Installation | Cable

Cable identification	791
Function cable	Data
Cable weight	34 g/m
UL AWM Style	20549 / 10493
Stranding	1 × 4 wires around core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fiber tape, Fleece, Foil
Filler	Yes
Wire arrangement	OG, BU, YE, WH
Shield	shielded
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1.04 mm ± 0.05 mm
Conductor crosssection (wire)	26 AWG
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	19
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Material jacket	PUR
Outer-diameter (jacket)	4.9 mm ± 5 %
Jacket Color	green / RAL 6018
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Conductor resistance (wire)	140 Ω/km @ 20 °C
Nominal voltage 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 max. (wire)	2,4 A
Current load capacity (standard)	to DIN VDE 0298-4
Electric capacitance	51.000 pF/km
Isolation resistance	5 GΩ × km
Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Operating temperature (static)	-40 °C ... 80 °C
Operating temperature (dynamic)	-30 °C ... 70 °C
Operating temperature (drag chain)	-30 °C ... 70 °C
Flame resistance	UL 1581 § 1060, UL 1581 § 1090, UL 1581 § 1100
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	good resistance to gasoline
Notes	application-related testing
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 ² @ 25 °C
