M8 male 90° / M8 male 90° A-cod. shielded

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 40m

Art.No.: 7000-89771-7914000
Weight: 2.189
Country of origin: DE
Model designation: MSIL0-I-T791_40.0-ZE

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.

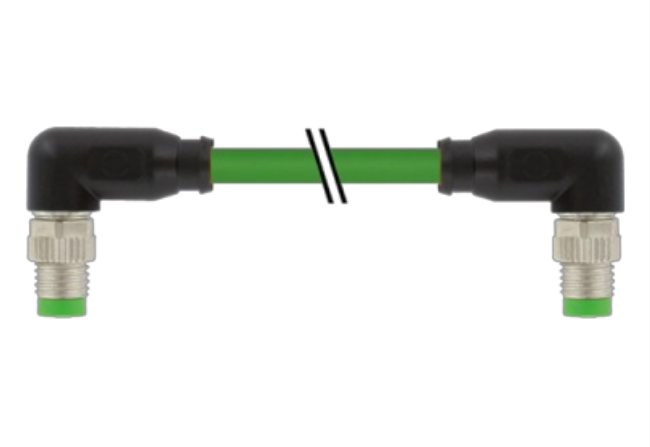
Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

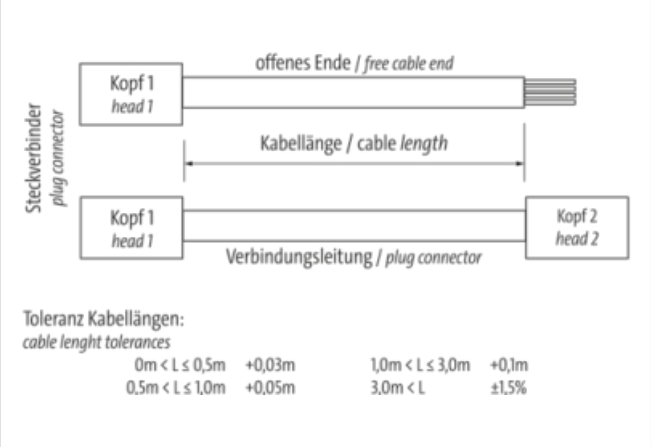
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

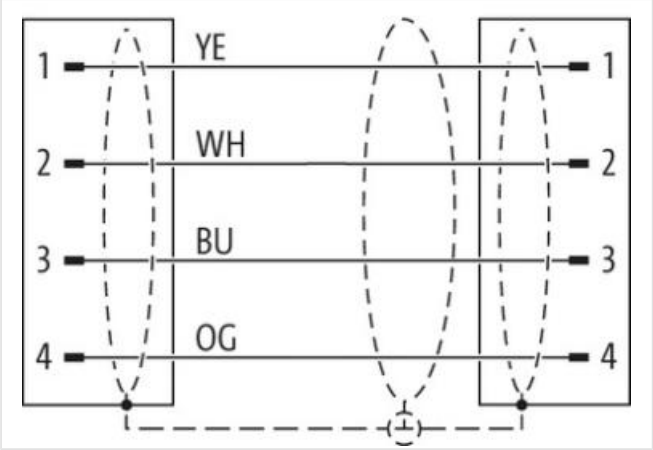
Product details:
Ethernet CAT5
Male 90° – male 90°
M8 – M8, 4-pole
shielded
Further cable lengths on request.
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.

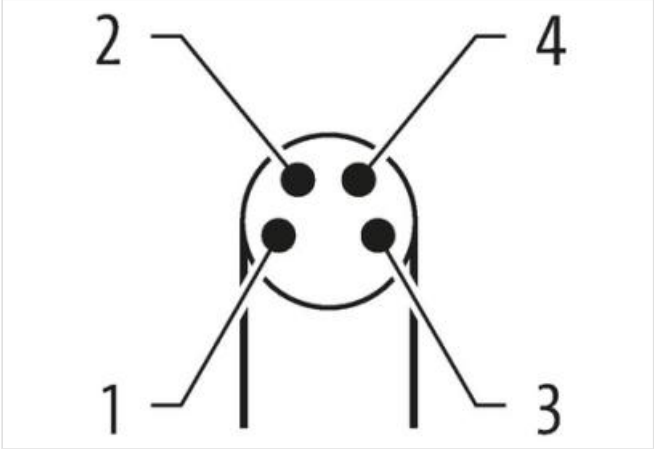
Link to Product

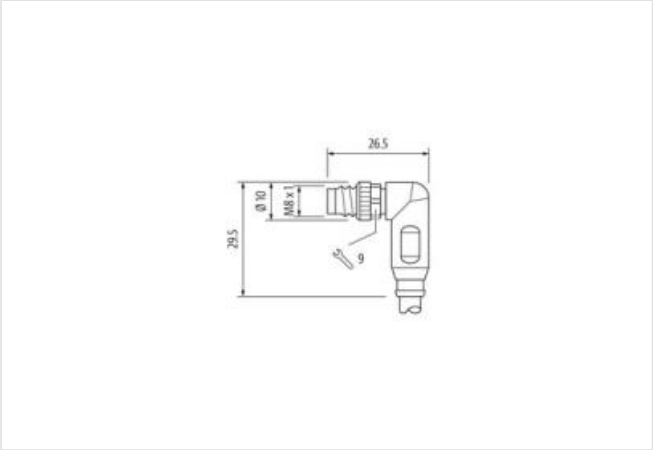
Illustration











Product may differ from Image

Cable length	**40 m**
Side 1	
Tightening torque	**0,4 Nm**
Family construction form	**M8**
Thread	**M8 x 1**
suitable for corrugated tube (internal Ø)	**6,5 mm**
Gender	**male**
Cable outlet	**angled**
No. of poles	**4**
Width across flats	**SW9**
Side 2	
Tightening torque	**0,4 Nm**
Family construction form	**M8**
Thread	**M8 x 1**
Gender	**male**
suitable for corrugated tube (internal Ø)	**6,5 mm**
Cable outlet	**angled**
No. of poles	**4**

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stay connected

Width across flats	SW9
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	EC002599
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879602044
EAN	4048879602044
Packaging unit	1
Packaging unit	1
Electrical data | Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	With reference to CAT5, Class D (ISO/IEC 11801)
Data transmission rate max.	100 MBit/s
Industrial communication | Ethernet functionality	
duplex	Full duplex
Device protection | Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data | Material data	
Material housing	PUR
Color housing	black
Coating locking	nickel plated
Color contact carrier	green
Locking material	Brass
Mechanical data | Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics | Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °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.
Conformity	
Product standard	DIN EN 61076-2-104 (M8)
Installation | Cable	

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wire arrangement	orange, blue, yellow, white
Cable identification	791
Function cable	Data
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires star-shaped twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fiber tape, Fleece, Foil
Filler	yes
wire arrangement	orange, blue, yellow, white
Cable weigth	59,4 g/m
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	4,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,04 mm
Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	38 AWG
Conductor crosssection (wire)	26 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	125 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2,4 A
Characteristic impedance	100 Ω ± 15 % @ 100 MHz
Electrical resistance line constant wire	140 Ω/km
AC withstand voltage (wire - wire)	0,7 kV @ 60 s
Electric capacitance	51000 pF/km
Power frequency withstand voltage (wire - jacket)	0,7 kV @ 60 s
AC withstand voltage (wire - shield)	0,7 kV @ 60 s
Isolation resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 | UL 1581 § 1100 FT2 | UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 | Good, application-related testing
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	12,5 x 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