

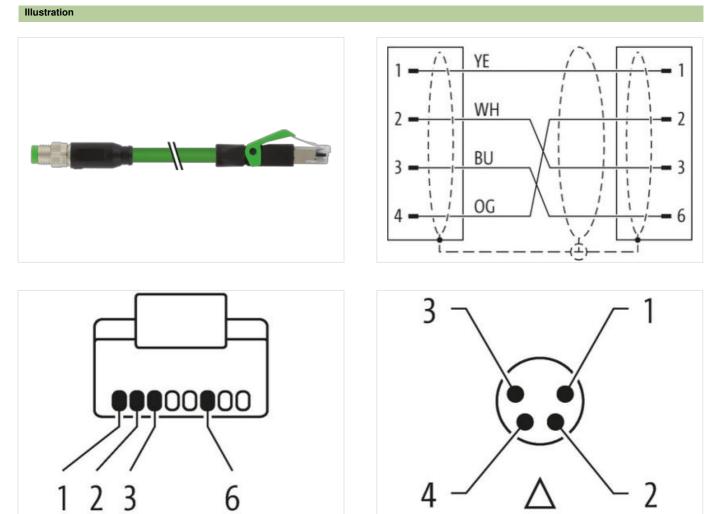
## M8 male 0° A-cod. / RJ45 male 0° shielded

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 2m

Ethernet CAT5 Male straight – male straight M8, 4-pole – RJ45, 8/4-pole shielded

Contour for corrugated tube inner diameter 6.5 mm 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



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Product may differ from Image



Cable length	2 m	
Side 1		
Tightening torque	0,4 Nm	
Mounting method	pluggable	
Family construction form	M8	
Thread	M8 x 1	
suitable for corrugated tube (internal Ø)	6,5 mm	
Cable outlet	straight	
No. of poles	4	
Width across flats	SW9	
Degree of protection (EN IEC 60529)	IP67	
Side 2		
Family construction form	RJ45	
Cable outlet	straight	
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	EC002599	
customs tariff number	85444290	
GTIN	4048879548144	
Packaging unit	1	
Electrical data   Supply		
Operating voltage DC max.	60 V	
Operating voltage DC max. (UL-listed)	30 V	
Current operating per contact max.	1,5 A	

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## Industrial communication

Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Device protection   Electrical	
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	·
Coating locking	Nickeled
Material housing	PUR
Locking material	Zinc die-casting
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); IEC 60603-7 (RJ45)
Installation   Cable	
Cable identification	791
Jacket Color	green
Type of Certificate	cURus
Amount stranding	
Stranding	4 wires star-shaped twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding Filler	Fiber tape, Fleece, Foil
	yes white, orange, blue, yellow
wire arrangement	
Traversing distance (C-track) Cable weigth	5 m 59,4 g/m
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
	4,9 mm
Outer-diameter (jacket)	
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 19
Amount strands (wire)	19 26 AWG
Diameter of single wires	26 AWG 26 AWG
Conductor crosssection (wire) Material conductor wire	
Nominal voltage AC max.	copper stranded wire, tinned 300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2,4 A

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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
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

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