

**M12 male 0° D-cod. with cable shielded**

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 0.6m

USA

Ethernet CAT5

Male straight

M12, 4-pole

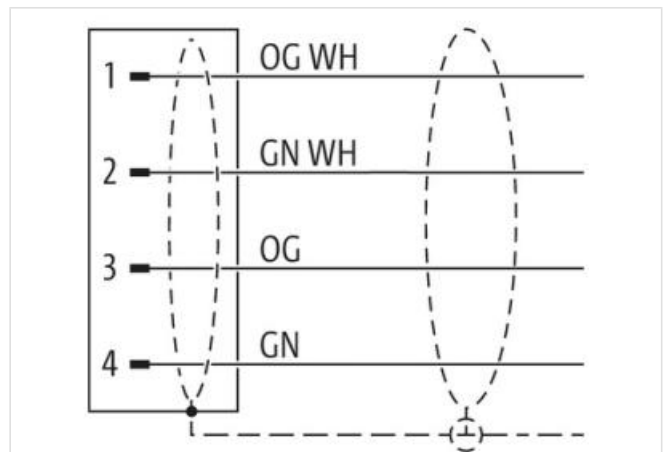
D-coded

shielded

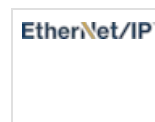
Further cable lengths on request.

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

0,6 m

<b>Side 1</b>	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Coding	D
No. of poles	4
Width across flats	SW13
<b>Side 2</b>	
Stripping length (jacket)	20 mm
<b>Commercial data</b>	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444290
GTIN	4048879601276
Packaging unit	1
<b>Electrical data   Supply</b>	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
<b>Industrial communication</b>	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
<b>Industrial communication   Ethernet functionality</b>	
duplex	Full duplex
<b>Installation   Connection</b>	
Stripping length (jacket)	20 mm
<b>Device protection   Electrical</b>	
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
<b>Mechanical data</b>	
Contour for corrugated hose	without
<b>Mechanical data   Material data</b>	
Coating locking	nickel plated
Locking material	Zinc die-casting
<b>Mechanical data   Mounting data</b>	
Mounting method	Shaking protection
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
<b>Important installation notes</b>	

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 61076-2-101 (M12)

**Installation | Cable**

wire arrangement	(orange-white, orange), (green-white, green)
Cable identification	S4U
Jacket Color	teal
Type of Certificate	cURus
Amount stranding	2
Stranding	2 wires twisted
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	Metal fleece
Cable shielding (coverage)	75 %
Banding	Fleece
wire arrangement	(orange-white, orange), (green-white, green)
Cable weight	55,66 g/m
Material jacket	TPE
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	HDPE
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	65 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	59 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
Electrical capacity line constant (wire - wire)	49000 pF/km
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	7 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter