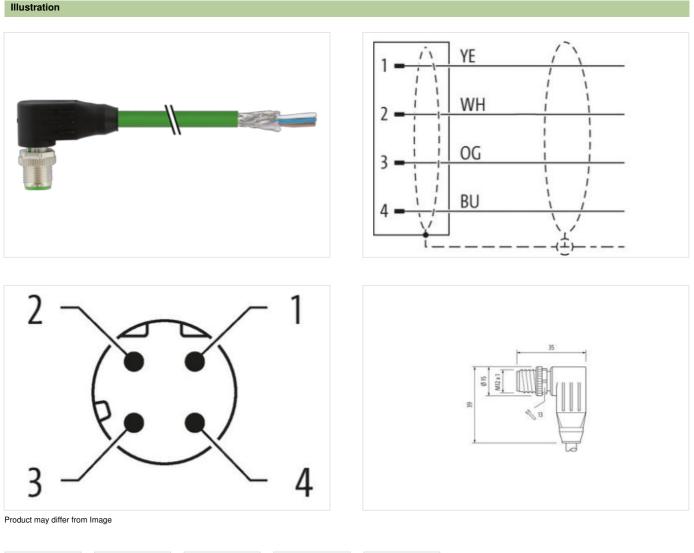


M12 male 90° D-cod. with cable shielded

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 45m

Ethernet CAT5 Male 90° M12, 4-pole D-coded shielded Transmission properties with channel transmission up to 100 m 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





Cable length

45 m

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Side 1

Side 1		
Tightening torque	0,6 Nm	
Mounting method	inserted, screwed	
Family construction form	M12	
Thread	M12 x 1	
Coding	D	
Material	PUR	
Width across flats	SW13	
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
Side 2		
Stripping length (jacket)	20 mm	
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	4048879868662	
Packaging unit	1	
Electrical data Supply		
Operating voltage DC max.	60 V	
Current operating per contact max.	1,5 A	
Industrial communication		
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)	
Data transmission rate max.	100 MBit/s	
Industrial communication Ethernet fur	nctionality	
duplex	Full duplex	
Installation Connection		
Stripping length (jacket)	20 mm	
Mounting set	M12 x 1	
Device protection Electrical		
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	1,5 kV	
Material group (IEC 60664-1)		
Mechanical data		
Contour for corrugated hose	without	
Mechanical data Material data	milliout	
	Niekeled	
Coating locking Coating of fitting	Nickeled nickel plated	
Locking material	Zinc die-casting	
Material screw connection	Zinc die-casting Zinc die-casting	
	∠ມາບ ບເວ∵ບລວມມາຍ 	
Mechanical data Mounting data		
Mounting method	inserted, screwed, Shaking protection	
Environmental characteristics Climatic		
mation in this Product-PDF has been compiled with the utmost care.		

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Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
•	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	800
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler star-shaped twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Foil
Filler	yes
wire arrangement	yellow, blue, orange, white
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Cable weigth	73,7 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	FRNC
Color (inner jacket)	natur
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,53 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Traversing distance (C-track)	5 m @ 25 °C
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical resistance line constant wire	55 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Electrical capacity line constant (wire - wire) (power)	50000 pF/km
AC withstand voltage power (wire - shield)	2 kV @ 60 s
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	℃ O8
Operating temperature min. (dynamic)	-10 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing

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Oil resistance

Good, application-related testing | DIN EN 60811-404

Bending radius (fixed) Bending radius (dynamic) 5 x Outer diameter 15 x Outer diameter