

M12 fem. recept. D-cod. rear / RJ45 male 45° left

PUR 1x4xAWG22 shielded gn UL/CSA 1m

Ethernet CAT5

The resistance to aggressive media should be individually tested for your application. Further details on request.

Flange female straight - male 45° left

M12 - RJ45, 4-pole

D-coded

shielded

8-pole partly used

Rear mounting

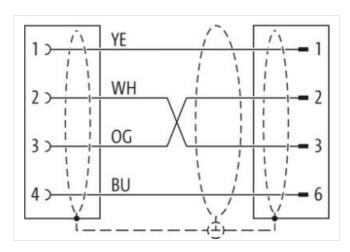
Further cable lengths on request.

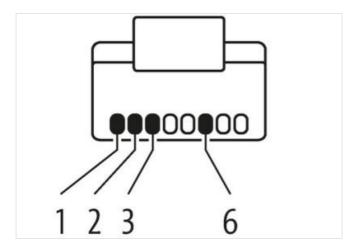
Plastic housings with good resistance against chemicals and oils.

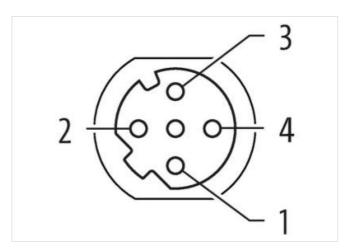
Link to Product

Illustration



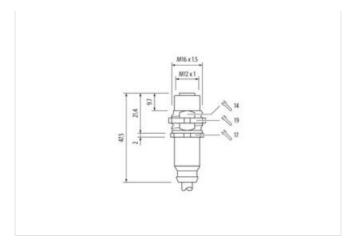


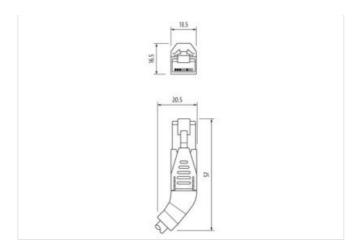






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Product may differ from Image









Cable length	1 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	D
Material	PUR
Degree of protection (EN IEC 60529)	IP67
Side 2	
Coating head	nickel plated
Family construction form	RJ45
Material	Brass
Degree of protection (EN IEC 60529)	IP20
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC002599
customs tariff number	85444290
GTIN	4048879535151
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
Industrial communication	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-17



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Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet funct	ionality
	Full duplex
duplex	ruii dupiex
Installation Connection	
Mounting set	M16 x 1.5
Family construction form	M12
Width across flats	SW19
Device protection Electrical	
Protection NEMA	3, 4, 6P
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	1
Mechanical data Material data	
Coating locking	nickel plated
Locking material	Brass
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
-	inserted, sciewed, 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 61076-2-101 (M12)
Approvals	
UL 50E	yes
Installation Cable	,
Cable identification	794
Jacket Color	green
	-
Type of Certificate	cURus
Amount stranding	cURus 1
Amount stranding Stranding	cURus 1 4 wires around Filler twisted
Amount stranding Stranding Cable shielding (type)	cURus 1 4 wires around Filler twisted copper braid, tinned
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage)	cURus 1 4 wires around Filler twisted copper braid, tinned 85 %
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 75,87 g/m
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 75,87 g/m PUR
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 75,87 g/m PUR 89 Shore A
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 75,87 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 75,87 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 75,87 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 %
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 75,87 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 % FRNC
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket)	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 75,87 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 % FRNC white
Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket	cURus 1 4 wires around Filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 75,87 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 % FRNC



Outer diameter insulation	1,55 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	65 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
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 %
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 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	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter