

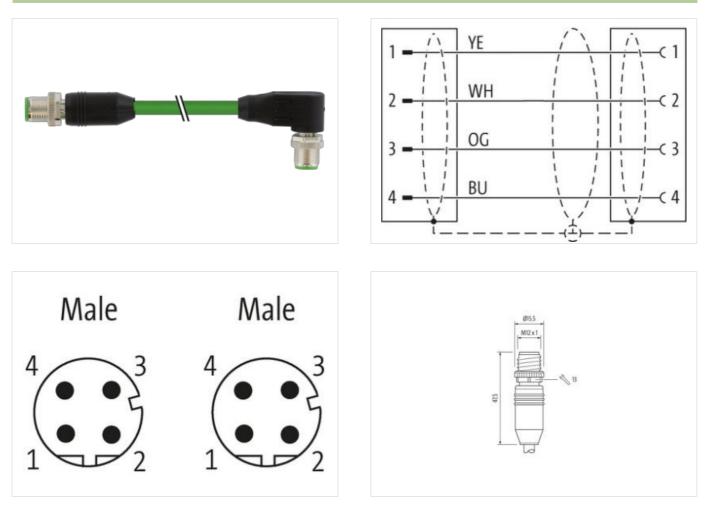
M12 male 0° / M12 male 90° D-cod. shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.5m

Product fulfills requirements according to UN/ECE R118 Ethernet CAT5 Male 90° – male straight M12 – 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.

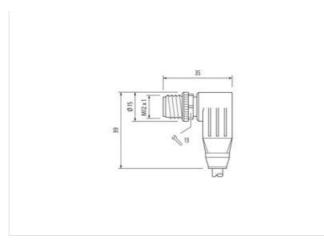
Link to Product

Illustration



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Product may differ from Image



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Cable length 0,5 m Side 1 1 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 Coding D Material PUR Width across flats SW13 Side 2			
Taphtening torque 0.6 Nm Family construction form M12 Thread M12 x 1 Coding D Material PUR Width across flats SW13 Side 2	Cable length	0,5 m	
Family construction form M12 Thread M12 x 1 Coding D Material PUR Widt across flats SW13 Side 2	Side 1		
Thread M12 x 1 Coding D Material PUR Width across flats SW13 Side 2 Tightening torque 0.6 Nm Family construction form M12 M12 1 Coding D Material PUR Coding D Material PUR ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307	Tightening torque	0,6 Nm	
Coding D Material PUR Width across flats SW13 Side 2	Family construction form	M12	
Material PUR Width across flats SW13 Side 2	Thread	M12 x 1	
Width across flats SW13 Side 2	Coding	D	
Side 2 Tightening torque 0.6 Nm Family construction form M12 Thread M12 x 1 Coding D Material PUR Commercial data 27061801 ECLASS-6.0 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.5 27060307 ECLASS-1.1 27060307 ECIASS-1.1 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879141178 Packa	Material	PUR	
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Thread M12 x 1 Coding D Material PUR Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879141178 Packaging unit 1	Tightening torque	0,6 Nm	
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customs tariff number85444290GTIN4048879141178Packaging unit1	ECLASS-12.0	27060307	
GTIN 4048879141178 Packaging unit 1	ETIM-5.0	EC002599	
Packaging unit 1	customs tariff number	85444290	
	GTIN	4048879141178	
Electrical data Supply	Packaging unit	1	
	Electrical data Supply		

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Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
ransfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fund	stionality
duplex	Full duplex
•	
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	1
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Locking material	Zinc die-casting
	2.00 00 00300 g
Mechanical data Mounting data	
Nounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Dperating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
-	Distant the compactors by suitable measures from machanical leads, e.g. by the usage of achieving
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	
	white, yellow, blue, orange
Vire arrangement Cable identification	796
Cable identification lacket Color	796 green
Cable identification lacket Color Type of Certificate	796 green cURus
Cable identification lacket Color Type of Certificate Amount stranding	796 green cURus 1
Cable identification lacket Color Type of Certificate Amount stranding Stranding	796 green cURus 1 4 wires around Core filler twisted
Cable identification acket Color Type of Certificate Amount stranding Stranding Cable shielding (type)	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned
Cable identification lacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage)	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 %
Cable identification Jacket Color Fype of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil
Cable identification lacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes
Cable identification lacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler vire arrangement	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange
Cable identification Cable identification Cype of Certificate Camount stranding Cable shielding (type) Cable shielding (coverage) Banding Filler Cable arrangement Cable weigth Cable weigth	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m
Cable identification Cable identification Cype of Certificate Commont stranding Cable shielding (type) Cable shielding (coverage) Banding Ciller Vire arrangement Cable weigth Material jacket	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR
Cable identification Cable identification Fype of Certificate Amount stranding Cable shielding (type) Cable shielding (coverage) Banding Filler Vire arrangement Cable weigth Material jacket Shore hardness jacket	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket)	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath)	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm ± 5 %
Cable identification Jacket Color Type of Certificate Amount stranding Stranding Cable shielding (type) Cable shielding (coverage) Banding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket)	796 green cURus 1 4 wires around Core filler twisted copper braid, tinned 85 % Fleece, Foil yes white, yellow, blue, orange 69,3 g/m PUR 89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm

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Amount wires	4
Outer diameter insulation	1,4 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 % @ 100 MHz
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)	50000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	0° 08
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m

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