

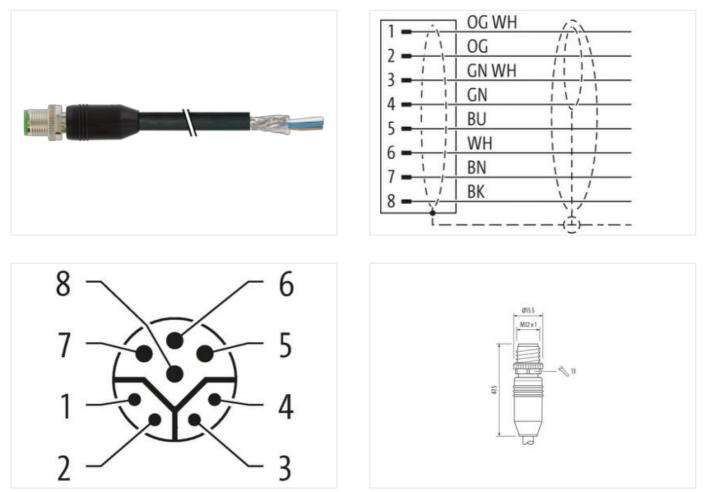
M12 male 0° Y-cod. with cable shielded

PUR AWG20/26 shielded bk UL/CSA+drag ch. 7.5m

Ethernet CAT5 Male straight M12, 8-pole Y-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





Product may differ from Image



Cable length

7,5 m

Side 1

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: 2024-05-21



Tightening torque	0,6 Nm	
Mounting method	inserted, screwed	
Family construction form	M12	
Thread	M12 x 1	
Coding	Y	
Material	PUR	
Width across flats	SW13	
Degree of protection (EN IEC 60529)	IP67	
Commercial data		
ECLASS-6.0	27279218	
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	EC001855	
customs tariff number	85444290	
GTIN	4048879519335	
Packaging unit	1	
Electrical data Supply		
Operating voltage AC max.	50 V	
Operating voltage DC max.	50 V	
Operating voltage AC (UL-listed)	30 V	
Operating voltage DC (UL-listed)	30 V	
Current operating per contact (UL)	3,3 A	
Operating current per data contact max.	0,5 A	
Operating current per power contact max.	6 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 func	tionality	
duplex	Full duplex	
Installation Connection		
Mounting set	M12 x 1	
ç		
Device protection Electrical		
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	0,8 kV	
Material group (IEC 60664-1)	I	
Mechanical data Material data		
Coating locking	Nickeled	
Coating of fitting	nickel plated	
Locking material	Zinc die-casting	
Material screw connection	Zinc die-casting	
Mechanical data Mounting data		
Mounting method	inserted, screwed, Shaking protection	
Environmental characteristics Climatic		
Operating temperature min.	-25 °C	

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Additional condition temperature range depending on cable quality important installation noise important installation noise important installation noise important installation noise Additional provises installation noise Additional provises installation noise index on stain noise stain noise on stain noise on stain noise stain noise on stain	Operating temperature max.	85 °C
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Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)19Diameter of single wires20 AWGConductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)1.1 mmTolerance outer diameter wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)65 ± 5 Shore DIngredient freeness wire insulation (Data)4Amount wires (Data)19Diameter of single wires (Data)19Diameter of single wires (Data)26 AWGAmount strands wire (Data)26 AWGMaterial conductor wire (Data)26 AWGMaterial conductor wire (Data)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Outer diameter tolerance core insulation	±5%
Amount strands (wire)19Diameter of single wires20 AWGConductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial onductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (data)± 5 %Shore hardness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Shore hardness wire insulation	55 ± 5 Shore D
Diameter of single wires20 AWGConductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (Data)± 5 %Shore hardness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-freeAmount wires (Data)19Diameter of single wires (Data)26 AWGConductor or wire (Data)Stranded copper wire, bareTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crossection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (data)±5 %Shore hardness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)26 AWGConductor crosssection wire (Data)26 AWGConductor wire (Data)Stranded copper wire, bareTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Amount strands (wire)	19
Material conductor wireStranded copper wire, bareMaterial wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (Data)± 5 %Shore hardness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor wire (Data)Stranded copper wire, bareTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Diameter of single wires	20 AWG
Material wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (data)± 5 %Shore hardness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Conductor crosssection (wire)	20 AWG
Outer diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (data)± 5 %Shore hardness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Material conductor wire	Stranded copper wire, bare
Tolerance outer diameter wire insulation (data)± 5 %Shore hardness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)5 mTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Material wire insulation (Data)	PP
Shore hardness wire insulation (Data)55 ± 5 Shore DIngredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Outer diameter wire insulation (Data)	1,1 mm
Ingredient freeness wire insulation (Data)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)26 AWGTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Tolerance outer diameter wire insulation (data)	±5%
Amount wires (Data)4Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Shore hardness wire insulation (Data)	55 ± 5 Shore D
Amount strands wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Amount wires (Data)	4
Conductor crosssection wire (Data)26 AWGMaterial conductor wire (Data)Stranded copper wire, bareTraversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Amount strands wire (Data)	19
Material conductor wire (Data) Stranded copper wire, bare Traversing distance (C-track) 5 m Nominal voltage AC max. 60 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 5,9 A	Diameter of single wires (Data)	26 AWG
Traversing distance (C-track) 5 m Nominal voltage AC max. 60 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 5,9 A	Conductor crosssection wire (Data)	26 AWG
Nominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A	Material conductor wire (Data)	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 5,9 A	Traversing distance (C-track)	5 m
Current load capacity min. wire 5,9 A	Nominal voltage AC max.	60 V
	Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. Wire (Data) 2 A	Current load capacity min. wire	5,9 A
	Current load capacity min. Wire (Data)	2 A

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: 2024-05-21



Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical resistance line constant wire	35 Ω/km
Electrical resistance coating wire (Data)	140 Ω/km
AC withstand voltage (wire - wire)	1 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
AC withstand voltage (wire - shield)	1 kV @ 60 s
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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