

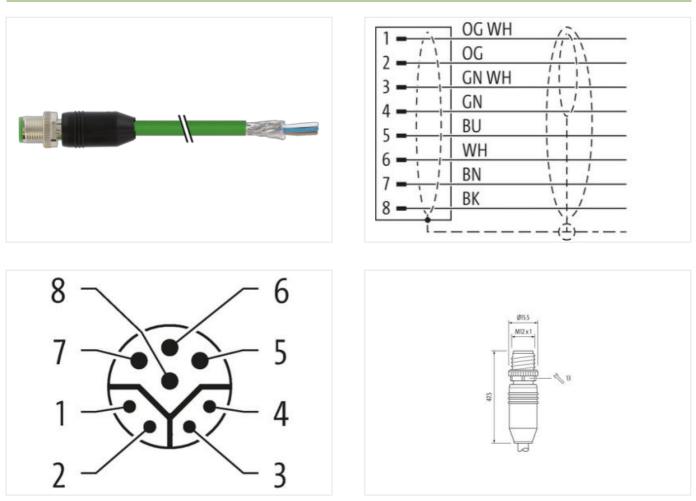
## M12 male 0° Y-cod. with cable shielded

PUR AWG20/26 shielded gn UL/CSA+drag ch. 40m

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

Illustration



Product may differ from Image



Cable length

40 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: 2024-05-18



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	4048879623704	
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 function	tionality	
duplex	Full duplex	
Installation   Connection		
Mounting set	M12 x 1	
Device protection   Electrical		
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	0,8 kV	
Material group (IEC 60664-1)		
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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Important installation notes         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 endingered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation [Cable         Cable identification         805           Zacket Color         green         Type of Certificate         cURus           Amount stranding         1         Stranding         4 wires around 1 Filler twisted           Amount stranding (type 2)         1         Stranding (type 2)         1           Stranding (type 2)         4 wires around 3 Stranding combination with Filler twisted         Cable shielding (type)         copper braid, tinned           Zable shielding (coverage)         85 %         S         S         S           Pair shielding (type)         copper braid, tinned         Cable shielding (type)         copper braid, tinned           Standing         Fleece, Foll         Filler         Yes         Yes           wire arrangement         black, brown, white, blue, (orange white, green, orange, green white)         Cable shielding (type)         Copper braid, tinned           Stare hardness jacket         90 ± 5 Shore A         PUR	Operating temperature max.	85 °C
Note on shain reliaf         Protect the connectors by suitable necesures from machanical loads, e.g. by the usage of cable ises.           Wate on bending radius         Retention: Observe the permisable bending radii when laying cables, as the IP protection class can be ordering rodo ty excessive bending radii when laying cables, as the IP protection class can be ordering rodo ty excessive bending radii when laying cables, as the IP protection class can be radii to the connection ty excessive bending radii when laying cables, as the IP protection class can be ordering radii when laying cables, as the IP protection class can be radii to the connection ty excessive bending radii to the connection ty excessive bending radii when laying cables, as the IP protection class can be radii to the connection ty excessive bending radii to the connection the connection ty excessive bending radii to the connection ty excessive bending radii to the connection ty excessive bending radii to the connection ty excessive bending radii when laying cables as the radii protection connection ty excessive bending radii when laying cables, as the IP protection connection ty excessive bending radii when laying cables, as the IP protection connection ty excessive bending radii when laying cables as the retention connection the connection the connection the connection the connection connection the connecone connection the connection the connecone connection	Additional condition temperature range	depending on cable quality
Note on bending radius         AfterNite: CDisorve the parmissible bending radii when kying cables, as the IP protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be provide transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending converting in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excestar by exce	Important installation notes	
Note on bending radius         AfterNite: CDisorve the parmissible bending radii when kying cables, as the IP protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be provide transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending converting in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excessive bending transmitter in the protection class can be endangered by excestar by exce	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Contentity         Product standard         DNE N 61076-2-101 (M12)           Installation [Cable Cable distriction         805           Cable distriction         805           Cable distriction         green           Type of Centriction         qreen           Stranding (type 2)         1           Stranding (type 2)         4 wires arcond Stranding combination with Filer twisted           Cable shelding (type 2)         cooper traid, timed           Cable shelding (type 2)         65 %           Pair shelding (type 2)         pres           Wires arcondents         block, torow, white, blue, (orange white, green, orange, green white)           Cable weight         10.7 g yim           Watarial jacket         80 ± 5 Shore A           Freedowther transition         8.1 mm           Carded maneter (calcet)         8.1 mm           Carded maneter (weight)         1.5 %           <	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standard         DN EN 61076-2:01 (M12)           Installation (Cabo)         Standard Color           Cable Identification         805           Cable Identification         Gu50           Standard Color         groon           Standard Color         Gu50           Standard Standard         Hussesson           Amount standing (type 2)         4 virus around Stranding combination with Filler twisted           Cable shelding (type)         Copper braid, timed           Cable shelding (type)         Standard           Cable shelding (type)         Copper braid, timed           Cable shelding (type)         Standard           Cable shelding (type)         Standard Standard           Cable shelding (type)         Standard Standard           Cable shelding (type)         Standard Standard	Conformity	
Installation ( Cable           Cable definitionation         805           Explect Color         green           Type of Certificate         cUPus           Amount stranding         1           Stranding         4 wrise around 1 Filler twisted           Amount stranding (type 2)         1           Stranding (type 2)         4 wrise around Stranding combination with Filler twisted           Cable shielding (type)         copper braid, finned           Stranding (type)         copper braid, finned           Banding (type)         copper braid, finned           Cable shielding (toket)         PUR           Stranding (type)         specification           Cable chielding (toket)         6.9 5 5 Shore A           Care-courd (daneer (sheath)         2.5 %           Care-courd (daneer (sheath)         5.5 %           Care-courd (daneer (sheath)         5.5 %           Care-courd (daneer (sheath)<	•	
Cadele identification805lacker ColorgreenStranding9Proper Of critication1Stranding1Amount stranding (type 2)1Stranding (type 2)1Stranding (type 2)0Cable shielding (type 2)0Cable shielding (type 2)0Cable shielding (type 2)0Cable shielding (type 3)0Cable shielding (type 3)0Cab		DIN EN 61076-2-101 (M12)
Jacket Color         green           Type of Cortificate         CUPus           Amount stranding         1           Stranding         4 wires around 1 Filler twisted           Amount stranding (type 2)         1           Stranding (type 2)         4 wires around Stranding combination with Filler twisted           Cable shielding (type)         copper braid, tinned           Stranding         Fleece. Foil           Filler         yes           wire arrangement         bladx, brown, white, blue, (orange-white, green, orange, green-white)           Cable shielding (type)         copper braid, tinned           Cable shielding (type)         Stranding (type 3)           User damostic graed, prese         PUR           Strandines (specific (the stranding)         P1 5 5 Shore A           Freedom from ingradients (acket)         8 1 5 %           User diameter insulation         PP           Manount wires         4           Outer diameter insulation         1.5 rm           Duter diameter insulation         5 5 %           Strene bradness wire insulation	Installation   Cable	
Type of Cartificatio         cURus           Amount stranding         1           Stranding (type 2)         1           Stranding (type 2)         4 wires around Stranding combination with Filler twisted           Amount stranding (type 2)         4 wires around Stranding combination with Filler twisted           Stable shielding (type)         copper braid, tinned           Stable shielding (type)         copper braid, tinned           Standing         Fileeco. Foil           Filler         Yes           wire arrangement         black, brown, white, blue, (orange white, green, orange, green white)           Stale weigh         107.8 g 'm           Material jacket         PUR           Shore hardmess jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, sillcone-free           Stare hardmeser (sicket)         8.1 mm           Tolarance outer diameter (sicketh)         5 %           Stare Admeser wire insulation         PP           Amount twies         4           Dular diameter insulation         1.5 mm           Dular diameter insulation         1.5 mm           Dular diameter insulation         1.5 %           Strandregs wire insulation         5 5.5 Shore D <t< td=""><td>Cable identification</td><td>805</td></t<>	Cable identification	805
Anount stranding         1           Stranding         4 wires around 1 Filler twisted           Amount stranding (type 2)         1           Stranding (type 2)         4 wires around 5 tranding combination with Filler twisted           Cable shelding (type)         copper braid, finned           Standing (type)         copper braid, finned           Standing         Fleece, Foil           Filler         yes           Filler         yes           Standing         Fleece, Foil           Filler         yes           Standing         Fleece, Foil           Filler         yes           Vire arrangement         black, toron, white, blue, (orange-white, green, orange, green-white)           Standings (stack1         90 ± 5 Shore A           Freedom from ingreedinets (stack1)         ls A from           Stardiness (stack1)         ls A from           Caler adiameter (stack1)         ± 5 %           Atterial insclation         1.5 mm           Caler adiameter insulation         1.5 mm           Caler adiameter insulation         1.5 mm           Caler diameter insulation         5 %           Stare diameter insulation         1.5 mm           Carer diameter wire insulation         1.5 mm	Jacket Color	green
Stranding         4 wires around 1 Filler Iwisted           Amount stranding (type 2)         1           Stranding (type 2)         4 wires around Stranding combination with Filler Iwisted           Cable shielding (type)         copper braid, tinned           Cable shielding (type)         copper braid, tinned           Banding         Fleece, Foll           Filler         yes           wire arrangement         black, brown, white, blue, (orange- white, green, orange, green-white)           Cable shielding (type)         09 ± 5 Shore A           Shore hardness jacket         90 ± 5 Shore A           Shore hardness jacket         90 ± 5 Shore A           Shore hardness jacket         90 ± 5 Shore A           Obter diameter (jacket)         8.1 mm           Obter diameter (jacket)         8.1 mm           Obter diameter insulation         PP           Amount wires         4           Obter diameter insulation         5 ± 5 Shore D           Dater diameter insulation         5 ± 5 Shore D           Shore hardness wire insulation         5 ± 5 Shore D           Diameter of single wires         20 AWG           Obter diameter insulation (Data)         1.1 mm           Torder diameter insulation (Data)         5 ± 5 Shore D           Dia	Type of Certificate	cURus
Amount stranding (type 2)         1           Stranding (type 2)         4 wires around Stranding combination with Filler twisted           Cable shielding (type)         coppor traid, tinned           Cable shielding (type)         coppor traid, tinned           Banding         Filese, Foil           Filler         yes           Standing (type)         black, brown, while, blue, (arange-while, green, orange, green-white)           Cable weigh         107.8 g/m           Material jackat         PUR           Shore hardness jackot         90.1 S Shore A           Freedom from ingredients (jacket!)         Ed-tree, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket!)         Ed-tree, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket!)         Ed-tree, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket!)         Ed-tree, cadmium-free, CFC-free, halogen-free, silicone-free           Duter diameter (jacket!)         Ed-tree, cadmium-free, CFC-free, halogen-free, silicone-free           Shore hardness wire insulation         Es S Shore D           Ingredient freeness wire insulation         Es S Shore D           Ingredient freeness wire insulation         Es S Shore D           Conductor crosssection (wire)         20 AWG           Conducto	Amount stranding	1
Stranding (type 2)         4 wires around Stranding combination with Filler twisted           Cable shelding (type)         copper braid, tinned           Cable shelding (coverage)         85 %           Pair shelding (type)         copper braid, tinned           Banding         Fleece, Foil           Filler         yes           wire arrangement         black, brown, white, blue, (orange-white, green, orange, green-white)           Cable weight         107.8 g/m           Material jackst         PUR           Shore hardness jacket         90 ± 5 Shore A           Freadom torm ingredients (jacket)         8.1 m           Tolerance outer diameter (sheath)         ± 5 %           Vater diameter (jacket)         8.1 m           Tolerance outer diameter (sheath)         ± 5 %           Vater diameter insulation         1.5 mm           Cuber diameter insulation         55 % Shore D           Shore hardness wire insulation         1.5 %           Shore hardness wire insulation         1.5 m           Outer diameter insulation         1.5 %           Shore hardness wire insulation         1.5 %           Shore hardness wire insulation         1.5 M           Outer diameter insulation         1.5 M           Duter diameter insulation	Stranding	4 wires around 1 Filler twisted
Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Plar shielding (type)         copper braid, tinned           Banding         Fleace, Foil           Wire arrangement         black, brown, white, blue, (orange white, green, orange, green-white)           Cable weigth         107.8 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         8.1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Anount wires         4           Outer diameter tolerance core insulation         1.5 mm           Duter diameter insulation         1.5 mm           Duter diameter tolerance core insulation         1.5 free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         19           Duter diameter insulation         1.5 ms           Conductor crosssection (wire)         20 AWG           Conductor wires         Strande copper wire, bare           Material wore insulation (Data)         1.1 mm           Tolerance outer diameter wire in	Amount stranding (type 2)	1
Cable shielding (coverage)         85 %           Pair shielding (type)         copper braid, tinned           Banding         Fleece, Foll           Filler         Yes           Vier arrangement         black, brown, white, blue, (orange-white, green, orange, green-white)           Cable weigth         107.8 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (gacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (gacket)         8.1 mm           Tolerance outer diameter (sheatth)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter fueler insulation         1.5 mm           Outer diameter insulation         1.5 mm           Outer diameter insulation         1.5 mm           Outer diameter sinulation         1.5 mm           Outer diameter sinulation         1.5 mm           Outer diameter sinulation         1.5 mm           Outer diameter wire insulation         1.5 mm           Outer diameter wire insulation         1.5 mm           Outer diameter wire insulation         1.5 mm           Diameter of single wires         20 AWG <td>Stranding (type 2)</td> <td>4 wires around Stranding combination with Filler twisted</td>	Stranding (type 2)	4 wires around Stranding combination with Filler twisted
Pair shielding (type)         copper braid, tinned           Banding         Fleece, Foil           Filler         yes           wire arrangement         black, brown, white, blue, (orange-white, green, orange, green-white)           Cable weight         107.8 g/m           Material jacket         PUR           Shore hardness jacket         90.5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Dater diameter (jacket)         8,1 mm           Tolerance cuter diameter (scheath)         8,1 mm           Tolerance cuter diameter (scheath)         8,1 mm           Dater diameter insulation         PP           Amount wires         4           Dater diameter insulation         1,5 mm           Dater diameter insulation         5 %           Shore hardness wire insulation         5 %           Datar diameter insulation         5 %           Datar diameter insulation         19           Dataret or insulation         19           Dataret wire insulation (Data)         PP           Material write insulation (Data)         1,1 mm           Tolerance cuter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)	Cable shielding (type)	copper braid, tinned
Banding         Fleece, Foil           Filler         yes           wire arrangement         black, brown, white, blue, (orange-white, green, orange, green-white)           Cable weigth         107.8 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Duter-diameter (jacket)         8,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1.5 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1.5 free, CFC-free, halogen-free, silicone-free           Amount wires         4           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1.5 mm           Outer diameter wire insulation         1.6 mm           Duter diameter wire insulation (Data)         1.1 mm           Diameter of single wires         20 AWG           Conductor orrosseaction wire insulation (Data)         1.9	Cable shielding (coverage)	85 %
s         s           Filler         yes           Vire arrangement         black, trown, white, blue, (orange-white, green, orange, green-white)           Cable weigth         107.8 g/m           Material Jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Duter-diameter (jacket)         8,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Cater diameter insulation         PP           Amount wires         4           Outer diameter insulation         1,5 mm           Duter diameter insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         165 ± 5 Shore D           Diameter of single wires         20 AWG           Canductor crosssection (wire)         20 AWG           Canductor wire         Stranded copper wire, bare           Material owire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         5 ± 5 Shore D           Ingredient freeness wire insulation (Data)         5 ± 5 Shore D           Diameter of single wires (Sota)         1,1 mm           Tolerance outer diameter wire insulation (Data)         5 ± 5 Shore D <td>Pair shielding (type)</td> <td>copper braid, tinned</td>	Pair shielding (type)	copper braid, tinned
wire arrangement         black, brown, white, blue, (orange-white, green, orange, green-white)           Cable weight         107.8 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Duter-diameter (jacket)         8,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Autorial immeter insulation         PP           Amount wires         4           Outer diameter tolerance core insulation         1.5 mm           Shore hardness wire insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         15 %           Shore hardness wire insulation         16 ± 5 ± 5 Shore D           Ingredient freeness wire insulation         16 ± 5 ± 5 Shore D           Ingredient freeness wire insulation         16 ± 5 ± 5 Shore D           Conductor crosssection (wire)         20 AWG           Conductor wire         Stranded copper wire, bare           Material wire insulation (Data)         1.1 mm           Tolerance outer diameter wire insulation (Data)         1.5 %           Shore bardness wire insulation (Data)         15 %           Shore bardness wire insulation (Data)         1.5 % <td>Banding</td> <td>Fleece, Foil</td>	Banding	Fleece, Foil
Cable weigth         107,8 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Duter-diameter (jacket)         8,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,5 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         19           Diameter of single wires         20 AWG           Canductor crossesetion (wire)         20 AWG           Canductor wire         Stranded copper wire, bare           Material wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (data)         ± 5 %           Shore hardness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (data)         ± 5 %           Shore hardness wire insulation (data)         ± 5 %           Shore hardness wire insulation (data)         ± 5 %           Shore hardness wire insulation (data)         ± 5 %	Filler	yes
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Duter-diameter (jacket)         \$,1 mm           Tolerance outer diameter (jacket)         \$,5 %           Material wire insulation         PP           Amount wires         4           Outer diameter rolarance occer insulation         1,5 mm           Duter diameter tolerance occe insulation         \$ 5 %           Shore hardness wire insulation (Data)         \$ 1 mm           Diameter of single wires         \$ 20 AWG           Conductor wire         \$ 1 mm           Tolerance outer diameter wire insulation (Data)         \$ 5 %           Shore	wire arrangement	black, brown, white, blue, (orange-white, green, orange, green-white)
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         8,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,5 mm           Outer diameter lolerance ore insulation         ± 5 %           Shore hardness wire insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         16 ± 5 %           Shore hardness wire insulation         19           Diameter of single wires         20 AWG           Conductor wires         20 AWG           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         5 ± 5 Shore D           Ingredient freeness wire insulation (Data)         5 ± 5 Shore D           Ingredient freeness wire insulation (Data)         5 ± 5 Shore D           Ingredient freeness wire insulation (Data)         5 ± 5 Shore D           Ingredient freeness wire insulation (Data)         5 4 6 AWG           <	Cable weigth	107,8 g/m
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Duter-diameter (jacket)         8,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,5 mm           Duter diameter lograce core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         20 AWG           Conductor crosssection (wire)         20 AWG           Duter diameter wire insulation (Data)         PP           Duter diameter wire insulation (Data)         PP           Duter diameter wire insulation (Data)         1,1 mm           Tolerance outer insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire in	Material jacket	PUR
Duter-diameter (jacket)         8,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Duter diameter insulation         1,5 mm           Duter diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Diameter foreance core insulation         ± 5 %           Shore hardness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         20 AWG           Conductor crosssection (wire)         20 AWG           Conductor wire         Stranded copper wire, bare           Material conductor wire         Stranded copper wire, bare           Material wire insulation (Data)         PP           Duter diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         26 ± SMCG           Conductor conssection wi	Shore hardness jacket	90 ± 5 Shore A
Duter-diameter (jacket)         8,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Duter diameter insulation         1,5 mm           Duter diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Diameter foreance core insulation         ± 5 %           Shore hardness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         20 AWG           Conductor crosssection (wire)         20 AWG           Conductor wire         Stranded copper wire, bare           Material conductor wire         Stranded copper wire, bare           Material wire insulation (Data)         PP           Duter diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         26 ± SMCG           Conductor conssection wi	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Duter diameter insulation       1.5 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       55 ± 5 Shore D         Ingredient freeness wire insulation       Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       19         Diameter of single wires       20 AWG         Conductor cossection (wire)       20 AWG         Conductor wire       Stranded copper wire, bare         Material conductor wire       Stranded copper wire, bare         Material wire insulation (Data)       1,1 mm         Tolerance outer diameter wire insulation (Data)       1,1 mm         Tolerance outer diameter wire insulation (Data)       55 ± 5 Shore D         Ingredient freeness wire insulation (Data)       55 ± 5 Shore D         Ingredient freeness wire insulation (Data)       19         Diameter of single wires (Data)       26 AWG         Conductor cossection wire (Data)       26 AWG         Conductor wire (D	Outer-diameter (jacket)	
Amount wires         4           Duter diameter insulation         1,5 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         20 AWG           Conductor crosssection (wire)         20 AWG           Conductor vire         Stranded copper wire, bare           Material conductor wire         Stranded copper wire, bare           Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (Data)         ± 5 %           Shore hardness wire insulation (Data)         ± 5 %           Shore bardness wire insulation (Data)         5 ± 5 Shore D           Ingredient freeness wire insulation (Data)         5 ± 6 AWG	Tolerance outer diameter (sheath)	±5%
Duter diameter insulation         1.5 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         20 AWG           Conductor orssection (wire)         20 AWG           Conductor wire         Stranded copper wire, bare           Material conductor wire         Stranded copper wire, bare           Material conductor wire insulation (Data)         PP           Outer diameter wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1.1 mm           Tolerance outer diameter wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         165 ± 5 Shore D           Ingredient freeness wire insulation (Data)         19           Diameter of single wires (Data)         4           Amount wires (Data)         19           Diameter of single wires (Data)         26 AWG           Conductor orwire (Data)         26 AWG           Conductor wire (Data)         26 AWG           Conductor wire (Data)         5 m           Nominal voltage AC	Material wire insulation	PP
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Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         19           Diameter of single wires         20 AWG           Conductor crosssection (wire)         20 AWG           Material conductor wire         Stranded copper wire, bare           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (data)         ± 5 %           Shore hardness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         19           Diameter of single wires (Data)         19           Diameter of single wires (Data)         26 AWG           Conductor crossestedin wire (Data)         26 AWG           Conductor wire (Data)         26 AWG           Material conductor wire (Data)         5 ± 5 m           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	Outer diameter insulation	1,5 mm
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)5 ± 5 Shore DIngredient freeness wire insulation (Data)1ead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands wire (Data)19Diameter of single wires (Data)19Conductor crosssection wire (Data)19Diameter of single wires (Data)26 AWGConductor crosssection wire (Data)26 AWGConductor crosssection wire (Data)5 tranded 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 tolerance core insulation	±5%
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Amount strands (wire)19Diameter of single wires20 AWGConductor crosssection (wire)20 AWGMaterial conductor wireStranded copper wire, bareMaterial 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)19Diameter of single wires (Data)26 AWGConductor crosssection 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
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Material conductor wire         Stranded copper wire, bare           Material wire insulation (Data)         PP           Outer diameter wire insulation (Data)         1,1 mm           Tolerance outer diameter wire insulation (data)         ± 5 %           Shore hardness wire insulation (Data)         55 ± 5 Shore D           Ingredient freeness wire insulation (Data)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount wires (Data)         4           Amount strands wire (Data)         26 AWG           Conductor rosssection wire (Data)         26 AWG           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	Conductor crosssection (wire)	
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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		
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Current load capacity min. wire 5,9 A		
Surrent load capacity min. wire (Data) 2 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: 2024-05-18



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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
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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