

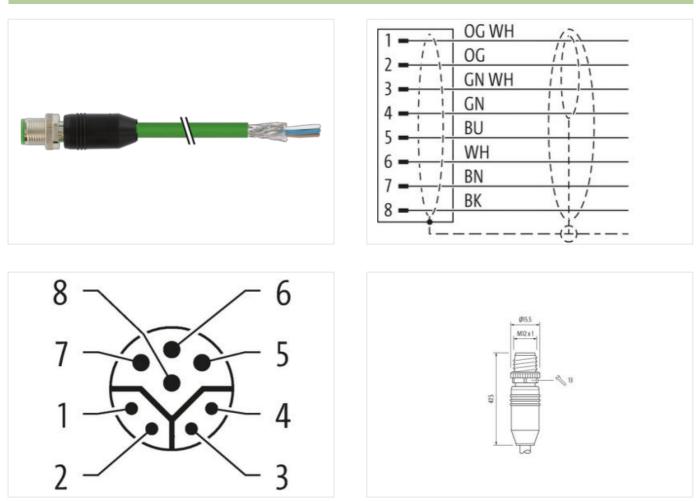
M12 male 0° Y-cod. with cable shielded

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

Illustration



Product may differ from Image



Cable length

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: 2024-05-18



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	4048879519373	
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 functionality		
duplex	Full duplex	
Installation Connection		
Mounting set	M12 x 1	
Device protection Electrical		
	iscarted asymuted	
Additional condition protection degree Pollution Degree	inserted, screwed 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	

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



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
Duter diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore Dingredient 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 conductor wireStranded copper wire, bareDuter diameter wire insulation (Data)PPOuter diameter wire insulation (Data)1,1 mmTolerance outer diameter wire insulation (Data)55 ± 5 Shore DShore 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)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 wires	4
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%
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	Shore hardness wire insulation	55 ± 5 Shore D
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
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-free, silicone-freeAmount wires (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	<u> </u>	
Conductor cossection (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)19Diameter of single wires (Data)26 AWGConductor cossection 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 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)	
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) 4 Amount wires (Data) 4 Amount strands wire (Data) 19 Diameter of single wires (Data) 26 AWG Conductor crosssection wire (Data) 26 AWG Material conductor wire (Data) 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		
Duter 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)5tranded 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		
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)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 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		
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		
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		
Amount 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		
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		
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	. ,	
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		
Traversing distance (C-track)5 mNominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A		
Nominal voltage AC max.60 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire5,9 A		
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 5,9 A		
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

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