

#### M8 male 0° / M8 female 90° A-cod.

PVC 3x0.25 gy UL/CSA 10m

Art.No.: 7000-88021-2101000

Weight: 0.301 Country of origin: US

Model designation: MSGL0-H-R210\_10.0

# Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

#### **Product details:**

Male straight - female 90°

M8 - M8, 3-pole

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

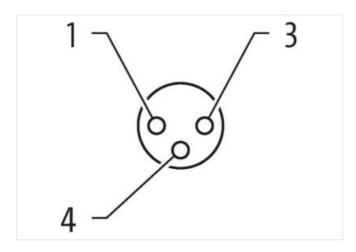
Plastic housings with good resistance against chemicals and oils.

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

## **Link to Product**

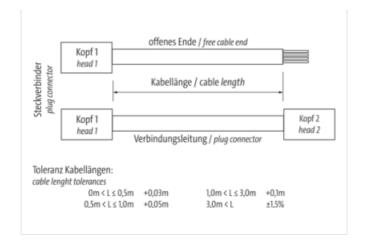
# Illustration

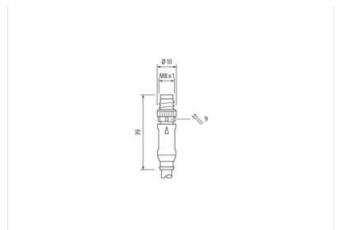


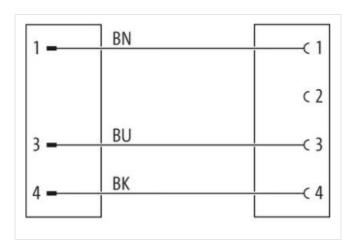


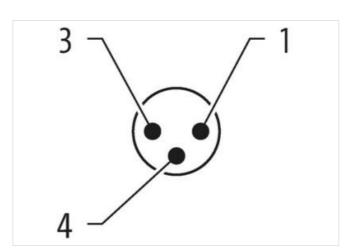


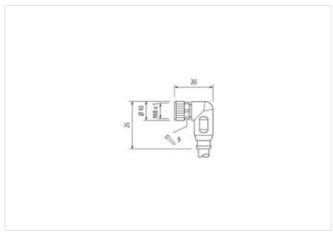
stay connected











Product may differ from Image











Cable length

10 m

Side 1

**Tightening torque** 

0,4 Nm



stay connected

Mounting method	inserted, screwed
Coating contact  Family construction form	gold plated M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Gender	male
Cable outlet	straight
Coding	A Connected to
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
Gender	female
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	angled
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879129145
EAN	4048879129145
Packaging unit	1
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
	10
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
<u> </u>	

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: 2025-08-05



stay	connec	ted

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National group (IEC 00064-1)  National group (IEC 00064-1)  National group (IEC 00064-1)  National group (IEC 00064-1)  National housing  PUR  Cocking material  National housing  PUR  Cocking material  National housing  National group (IEC 00064-1)  National group (IEC 00064-	Additional condition protection degree	inserted, screwed
Merchanical group (EC 60664-1)  Merchanical data   Material data   Mounting   PKM    Locking material   Zinc discussing   Merchanical data   Mounting data   M		
Mechanical data   Material data  Material plausing PUR  Cocking material Cocking Nickeled  Material pasket FKM  Cocking material Cocking Mechanical data   Mounting data  Environmental characteristics   Climatio  Important installation notes  Vote on Bending radius  Alterentics Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Vote on bending radius  Alterentics Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Vote on the standard   DIN EN 51076-2-114 (Ms)    Installation   Cable   Very   Conformation   Climation   Climation		1,5 kV
Material housing         PUR           Coating locking         Nickoeld           Material gasket         FKM           Locking material         Zinc die-casting           Mechanical datal Mounting data         Wickoeld           Wounting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Departing temperature max.         85 °C           Opperating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Who on strain raties           Note on strain raties         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Additional condition temperature range         depending on cable quality           Who on bending radius         Altention: Observe the permissable bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Installation (2bb           Write a transpenent         brown, black, blue           Jacket Color         gray           Type of Cartificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Willeral picket         PVC <t< td=""><td>Material group (IEC 60664-1)</td><td></td></t<>	Material group (IEC 60664-1)	
Coating locking  Nickeled  FKM  Cocking material  Zinc discasting  Mechanical data   Mounting data  Wounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature min.  30 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Wote on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Altention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-114 (MS)  Installation   Cable  wire arrangement  Drown, black, blue  Zable Identification  210  Zable Type  1  1  Sable Type  1  1  Sable Type  1  Sable Sype  1  Sable Sys Germania  3 wires twisted  wire arrangement  brown, black, blue  Zable weigh  Asy 37 gm  Material packet  Douer diameter (seleath)  4.5 mm  Duter diameter (geketh)  4.5 mm  Duter diameter (geketh)  4.5 mm  Duter diameter (jeketh)  5.5 %  Shore hardness wire insulation  PVC  Amount wires  Shore hardness wire insulation  Duter diameter (jeketh)  4.5 mm  Duter diameter (jeketh)  5.5 %  Shore hardness wire insulation  Duter diameter (jeketh)  1.25 mm  Duter diameter (jeketh)  1.64 %  Shore hardness wire insulation  Duter diameter (je	Mechanical data   Material data	
Material gasket Cocking material Cocking material Mounting method Inserted, screwed, Shaking protection Environmental characteristics   Climate Departing temperature min. Operating temperature max. 85 °C departing temperature max. 85 °C departing temperature max. White on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Conformity Product standard DIN EN \$1076-2-114 (MB) Installation   Cable wire arrangement brown, black, blue Cable Identification 1 10 Lacket Color gray Lacket	Material housing	PUR
Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 30 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Vote on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius and suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius and suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius and suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue  Zable Identification 210  Zable Type 1 1  Zable Key Color grey  Type of Certificate CURus  Amount stranding 1 1  Zable Weight 29,37 g/m  Material jacket PVC  Shore hardness jacket PVC  Shore hardness jacket   Sed Shore A  Freedom from ingredients (jacket)   Sed Shore A  Freedom from ingredients (jacket)   Sed Shore A  Freedom from ingredients (jacket)   Sed Shore A  Material properties wire insulation PVC  Amount wires  Amount strands   Sed Shore A  Freedom from ingredients (jacket)   Sed Shore A  Freedom from ingredient free continuation   Sed Shore A  Freedom from ingredients (jacket)   Sed Shore A  Freedom from ingredients (jacket)   Sed Shore A  Freedom from ingredients (jacket)   Sed Shore A  Freedom fro	Coating locking	Nickeled
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic   Operating temperature min.   30 ° C   Operating temperature max.   85 ° C   Additional condition temperature range   Important installation notes   Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity   Product standard   DIN EN 61076-2-114 (MB)   Installation   Cable   Wire arrangement   brown, black, blue   Date destitication   210   Date of Certificate   Diversity	Material gasket	FKM
Institution   Inserted   Insert	Locking material	Zinc die-casting
Environmental characteristics   Climatic   Sperating temperature min.   -30 °C   Deparating temperature max.   85 °C   Additional condition temperature range   depending on cable quality   Important installation notes   Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   Conformity   Product standard   DIN EN 61076-2-114 (M8)   Installation   Cable   wire arrangement   brown, black, blue   Cable identification   210   Cable Type   1   Lacket Color   gray   Type of Certificate   UBus   Amount stranding   1   Stranding   3 wires twisted   Wire arrangement   brown, black, blue   Cable weigh   29,37 g/m   Material poket   PVC   Shore hardness jacket   85 ± 5 Shore A   Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, sillcone-free   Duter-diameter (jacket)   4.5 mm   Duter diameter (sheath)   4.5 %   Material wire insulation   PVC   Shore hardness wire insulation   1,25 mm   Duter diameter insulation   25 %   Shore hardness wire insulation   45 ± 5 Shore D   Material properties wire insulation   Gead-free, cadmium-free, CFC-free, sillcone-free   Duter diameter insulation   1,25 mm   Duter diameter insulation   25 %   Shore hardness wire insulation   45 ± 5 Shore D   Material properties wire insulation   45 ± 5 Shore D   Material properties wire insulation   45 ± 5 Shore D   Material properties wire insulation   45 ± 5 Shore D   Material properties wire insulation   45 ± 5 Shore D   Material properties wire insulation   45 ± 5 Shore D   Material properties wire insulation   45 ± 5 Shore D   Material properties wire insulation   45 ± 5 Shore D   Material properties wire insulation   45 ± 5 Shore D   Material properties wire insulation   45 ± 5 Shore D   Material conductor wire   50 × 5 × 5 × 5 × 5 × 5 × 5 × 5 × 5 × 5	Mechanical data   Mounting data	
Operating temperature min. 40 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity Product standard In In Installation   Cable   Installation   Cable	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.  Additional condition temperature range Important installation notes  Vote on strain relief Vote on strain relief Vote on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8) Installation   Cable  Write arrangement Sable identification 210 Zable Type 1 Lacket Color Straining 1 Straining 3 wires twisted  Write arrangement brown, black, blue  Cable leight 29,37 g/m  Material proper lacket Straining 3 wires twisted  Write arrangement brown, black, blue  Cable with the straining 1 Straining 3 wires twisted  Write arrangement brown, black, blue Cable wight 29,37 g/m  Material proper lacket Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) Under-diameter (jacket) 4,5 mm  Coluter diameter (jacket) 1,25 mm  Dutter diameter (jacket) Material properties wire insulation  PVC  Material properties wire insulation  Material properties wire in	Environmental characteristics   Climatic	
Departing temperature max.  depending on cable quality  Important installation notes  Vote on strain relief  Protect the connectors by sultable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-114 (M8)  Installation   Cable  Vivie arrangement  Cable identification  210  Cable Type  1  Lacketi Color  gray  Fype of Contilicate  Culflus  Amount stranding  1  Stranding  3 wires twisted  brown, black, blue  Cable wight  23,37 g/m  Material protection is glacket)  PVC  Shore hardness jacket  85 ± 5 Shore A  Dutter diameter (sheath)  1,25 mm  Dutter diameter (clacket)  At 5 ± 5 Shore D  Material properties wire insulation  Dutter diameter (insulation  Dutter diameter (insulation  Dutter diameter insulation  Material properties wire insulation  Jos mm	Operating temperature min.	-30 °C
Important Installation notes  Vote on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable    wite arrangement brown, black, blue   Cable (Installation)   210   Cable (Type 1   1   1   1   1   1   1   1   1   1		85 °C
Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable    Write arrangement bown, black, blue  Cable identification 210  Zable Type 1 1  Zable Cofor gray  Type of Certificate cURus  Amount stranding 1 1  Stranding 3 wires twisted  Amount stranding 1 1  Stranding 29,37 g/m  Valerial jacket Nore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Duter-diameter (jacket) 4,5 mm  Duter diameter (sheath) 45 ± 5 %  Material wire insulation PVC  Amount wires 3 3  Duter diameter insulation good machinability migredient freeness wire insulation g		depending on cable quality
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable	, ,	
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable Identification 210  Cable Identification 210  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weight 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 14,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Duter diameter insulation PVC  Amount wires 3  Duter diameter tolerance core insulation 1,25 mm  Duter diameter tolerance core insulation 1,25 mm  Duter diameter swire insulation 1,25 mm  Duter diameter swire insulation 1,25 mm  Duter diameter tolerance core insulation 1,25 mm  Duter diameter swire insulation 1,25 mm  Duter diameter tolerance core insulation 1,25 mm  Duter diameter of single wires 0,15 mm  Conductor crosssection (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 5tranded copper wire, bare  Conductor type (wire) 5tranded copper wire, bare  Conductor type (wire) 5trand class 5  Courrent load capacity (standard) 10 DNI VDE 0298-4  Current load capacity min. wire 4,5 A	•	
Conformity         Conformity           Product standard         DIN EN 61076-2-114 (M8)           Installation   Cable         Wire arrangement         brown, black, blue           Cable identification         210         Cable Type         1           Jacket Color         gray         1           Uppe of Certificate         cURus         CURUS           Amount stranding         1         Stranding           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         29,37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter tolerance core insulation         45 ± 5 Shore D           Material properties wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free	Note on strain relief	
Product standard DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue  Zable identification 210  Zable dentification 210  Zacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue  Zable weigth 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 £ 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Duter-diameter (jacket) 4,5 mm  Jouer diameter sinulation PVC  Amount wires 3  Duter diameter tolerance core insulation 45 £ 5 Shore D  Material price wire insulation 45 £ 5 Shore D  Material price wire insulation good machinability Ingredient freeness wire insulation pool machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) Stranded copper wire, bare  Conductor type (wire) Stranded copper wire, bare  Current load capacity (standard) to DIN VDE 0298-4	Note on bending radius	
Installation   Cable	Conformity	
	Product standard	DIN EN 61076-2-114 (M8)
Cable Identification         210           Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         29,37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Duter-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Duter diameter insulation         1,25 mm           Duter diameter reporties wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,25 mm²	Installation   Cable	
Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Duter-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Duter diameter insulation         1,25 mm           Duter diameter tolerance core insulation         45 ± 5 Shore D           Material properties wire insulation         45 ± 5 Shore D           Material properties wire insulation         Inacceptable of the properties wire insulation           Amount strands (wire)         14           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Strande dosper wire, bare           Conductor type (wire)         Strand class 5	wire arrangement	brown, black, blue
Dacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Duter-diameter (jacket) 4,5 mm Dioterance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Duter diameter insulation 1,25 mm Duter diameter tolerance core insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Cable identification	210
Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m  Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3 Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14 Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nowman load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A	Cable Type	1
Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Duter-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Nominal voltage AC max.         300 V           Current load cap	Jacket Color	gray
Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 45 ± 5 Shore D Material properties wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor lype (wire) Stranded capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Type of Certificate	cURus
brown, black, blue  Cable weigth  29,37 g/m  Material jacket  PVC  Shore hardness jacket  85 ± 5 Shore A  Freedom from ingredients (jacket)  Lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket)  Couter-diameter (sheath)  25 %  Material wire insulation  PVC  Amount wires  3  Outer diameter insulation  Duter diameter tolerance core insulation  1,25 mm  Outer diameter tolerance core insulation  45 ± 5 Shore D  Material properties wire insulation  Material properties wire insulation  Material properties wire insulation  Ingredient freeness wire insulation  Ingredient freeness wire insulation  Bead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire)  14  Diameter of single wires  Onductor crosssection (wire)  Outer diameter of single wires  Conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 5  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4,5 A	Amount stranding	1
Cable weigith 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Duter-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Stranded copper wire, bare  Conductor type (wire) Stranded capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A	Stranding	3 wires twisted
Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	wire arrangement	brown, black, blue
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Cable weigth	29,37 g/m
Freedom from ingredients (jacket)  Lead-free, cadmium-free, CFC-free, silicone-free  Duter-diameter (jacket)  4,5 mm  Folerance outer diameter (sheath)  PVC  Amount wires  3  Duter diameter insulation  PUC  Amount wires  3  Duter diameter insulation  Les mm  Duter diameter tolerance core insulation  Afterial properties wire insulation  Material properties wire insulation  Material properties wire insulation  Ingredient freeness wire insulation  Ingred	Material jacket	PVC
Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3 Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A	Outer-diameter (jacket)	4,5 mm
Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  ± 5 %  Shore hardness wire insulation  45 ± 5 Shore D  Material properties wire insulation  good machinability  Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire)  14  Diameter of single wires  O,15 mm  Conductor crosssection (wire)  0,25 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 5  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  4,5 A	Material wire insulation	PVC
Outer diameter insulation  2	Amount wires	3
Shore hardness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Outer diameter insulation	1,25 mm
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A	Shore hardness wire insulation	45 ± 5 Shore D
Amount strands (wire)  Diameter of single wires  O,15 mm  Conductor crosssection (wire)  O,25 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 5  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4,5 A	Material properties wire insulation	good machinability
Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A	Amount strands (wire)	14
Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A	Diameter of single wires	0,15 mm
Conductor type (wire)  Strand class 5  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4,5 A	Conductor crosssection (wire)	0,25 mm²
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A	Conductor type (wire)	Strand class 5
Current load capacity min. wire 4,5 A	Nominal voltage AC max.	300 V
	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 79 Ω/km @ 20 °C	Current load capacity min. wire	4,5 A
	Electrical resistance line constant wire	79 Ω/km @ 20 °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: 2025-08-05



AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   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 (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter