

#### M8 male 0° A-cod. with cable

PVC 3x0.25 gy UL/CSA 2m

Art.No.: 7000-08001-2100200

Weight: 0.065 Country of origin: US

Model designation: MSHL0-R210\_2.0

### 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

M8, 3-pole

with cable sleeves

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

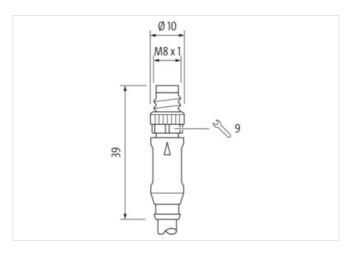
Plastic housings with good resistance against chemicals and oils.

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

# **Link to Product**

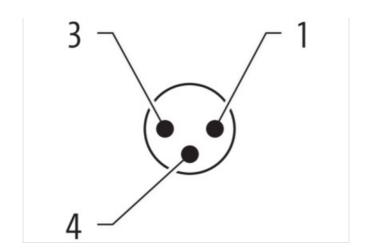
# Illustration

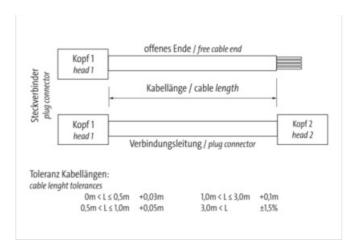


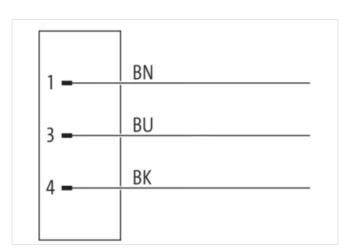


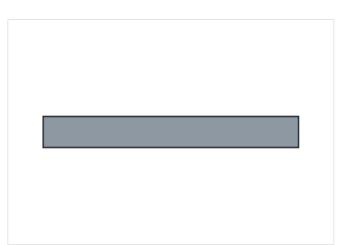


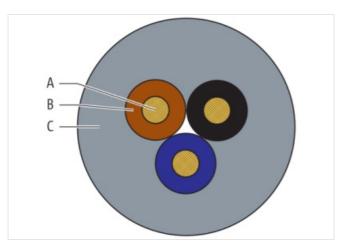
stay connected

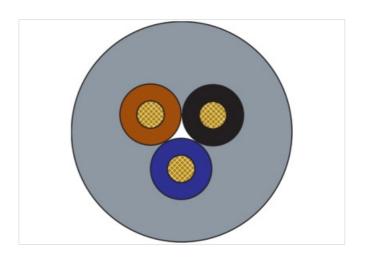












Product may differ from Image













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Material short text MSHL0-R210\_2.0

Cable length 2.0 m

Side 1



Family construction form M8 No. of poles 3 Coding Α Gender male Mounting method inserted, screwed Thread M8 x 1 Tightening torque 0.4 Nm Width across flats SW9 Cable outlet straight suitable for corrugated tube (internal Ø) 65 mm Material PUR Material contact Copper alloy Coating contact gold plated Degree of protection (EN IEC 60529) IP67, IP66K, IP65 Side 2 Family construction form free cable end Stripping length (jacket) 20 mm Commercial data **URL** Webshop https://shop.murrelektronik.com/7000-08001-2100200 GTIN 4048879234023 ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.1 27279218 ECLASS-8.0 27279218 ECLASS-8.1 27279218 ECLASS-9.0 27060311 ECLASS-9.1 27060311 ECLASS-10.0.1 27060311 ECLASS-10.1 27060311 ECLASS-11.0 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ECLASS-13.0 27060311 ECLASS-14.0 27060311 ETIM-5.0 EC001855 ETIM-6.0 EC001855 ETIM-7.0 EC001855 ETIM-8.0 EC001855 customs tariff number 85444290 EAN 4048879234023 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 **Diagnostics** Status indication LED no Installation | Connection Mounting set M8 x 1 Device protection | Electrical



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Pollution Degree  3	Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Raided surgouy clibing of 15.6 kW Material group (IEC 60684-1)   1  Material server connection   Fisas  Coating of litting   nictory   plated   Locking of litting   Nickledd   Material server connection   Since de-casting   Coating of lotting   Nickledd   Material server connection   Nickledd   Material server server server server connection   Nickledd   Material server server server server connection   Nickledd   Material server	Additional condition protection degree	inserted, screwed
Mechanical data   Material data   Zinc dis-casting   Coating (civiling   Coating (civiling (civiling   Coating (civiling   Coating (civiling (	Pollution Degree	3
Material strew commodion Brass Coating of filing nickel plated Locking material Locking ma	Rated surge voltage	1.5 kV
Material screw connection Brass Coaling of Hilling nickel plated Locking malarial Zinc de casting Coaling locking Nickeled  Mechanical data   Mounting data  Munting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 45 °C Adolftonal confident temperature range depending on cable quality Important installation notes  Note on bending radius Note on bending radius Note on bending radius Note on bending radius Note on strain relief Protect the connectors by suitable measures from machanical loads, e.g. by the usage of cable ties.  Conforming  Product standard DIN EN 61076 2-104 (M8)  Installation   Cable Cable Type 1 Amount stranding 1 Stranding 3 wives stranded Wire arrangement brown, black, blue Cable wight Amount stranding 1 provident insulation PVC Amount wives 3 Outer diameter insulation Under diameter insulation Under diameter insulation Under diameter insulation Under diameter insulation Operating wives United Conductor or operations Shore hardness wire insulation Operating wives Online or operation of the connectors of the connect	Material group (IEC 60664-1)	I
Coating of fitting notarial Zinc die casting Coating formatirial Zinc die casting Coating footbieg Notchanical data   Mounting data   Mounting method inserted, screwed, Shaking protection   Pervironmental characteristics   Climatic Perviron	Mechanical data   Material data	
Coating of fitting notarial Zinc die casting Coating formatirial Zinc die casting Coating footbieg Notchanical data   Mounting data   Mounting method inserted, screwed, Shaking protection   Pervironmental characteristics   Climatic Perviron	Material screw connection	Brass
Looking material Zinc die-casting Coating toking Nickelord Nickelord Nickelord Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Diperating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature mape depending on cable quality Important installation notes  Note on bending radius Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Conformity  Product standard Din En 161678-2-104 (M8) Installation   Cable  Cable identification   210 Cable in Type 1 Amount stranding 1 Amount stranding 1 Stranding 3 wires stranded Wire arrangement brown, black, blue Cable weigh 23 37 g/m Material wire insulation PVC  Amount wires 3  Outer diameter insulation   1.25 mm Outer diameter insulation   2.05 mm Material properaties wire insulation   2.05 mm Material properations   2.05 mm  Material properations   2.05 mm  Material properations   2.05 mm  Material properations   2.05 mm  Material properations   2.05 mm  Material properations   2.05 mm  Material properations   2.05 mm  Material properations   2.05 mm  Material properations   2.05 mm  Tolerance outer diameter (sheath)   2.5 mm  Outer diameter (she	Coating of fitting	nickel plated
Nickeled   Michanical data   Mounting data   Mounting method   Inserted, screwed, Shaking protection		· · · · · · · · · · · · · · · · · · ·
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature min. 25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on bending radius  Attention: Observe the pormissible bending radii when laying cables, as the IP protection class can be entirengened by excessive bending forces.  Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.  Cantomity  Product standard  Din N N 61076-2-104 (M8)  Installation Cable  Cable identification 210  Cable intype 1  Stranding 3 wires stranded Wire arrangement brown, black, blue Cable identification PVC  Amount stranding 1 23 37 g/m  Material wire insulation PVC  Amount wires  Duter diameter insulation 1,25 mm  Outer diameter insulation 24.05 mm  Material properties wire insulation 45.5 Shore D  Material properties wire insulation Fore-free, cadmium-free, silicone-free, lead-free  Amount strands (vire) 14  Diameter of single wires 0.015 mm  Toerance outer diameter (shealth) 1,25 mm  Conductor cressection (wire) 25 Shore A  Freedom from ingredents (facket) PVC  Material properties wire insulation PVC  Amount arranding 1 1  Diameter of single wires 0.15 mm  Toerance outer diameter (shealth) 1,5 %  Material properties wire insulation PVC  Material properties wire insulation PVC  Amount arranding PVC  Material properties wire insulation PVC  Material properties (sacket) PVC  Material property (gacket) PVC  Mater		
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on bending radius Atlantion. Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Note on strain rolle? Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Contormity  Product standard DIN EN 61076-2-104 (M8)  Installation   Cable  Cable identification   210  Cable identification   3		
Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature may.         65 °C           Additional condition temperature may.         depending on cable quality           Important installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be andangered by excessive bending forces.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Product standard           Installation   Cable         DIN EN 61076-2-104 (M8)           Installation   Cable         210           Cable identification         210           Cable identification         1           Stranding         1           Wire arrangement         brown, black, blue           Cable identification         23 gr im           Material wire insulation         PVC           Amount strangement         brown, black, blue           Cable weight         28 3°g im           Material wire insulation         PVC           Amount wires         3           User diameter insulation         1.5 mm           Outer diameter insulation<		inserted, screwed. Shaking protection
Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         despending on cable quality           Important installation notes         ************************************	-	
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important Installation notes  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.  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Conformity  Product standard DIN EN 61076-2-104 (M8)  Installation   Cable   Cable identification 210  Cable identification 3 1  Amount stranding 1 1  Amount stranding 1 1  Stranding 3 wires stranded brown, black, bule   Cable weight 29.37 g/m  Material wire insulation PVC  Amount wires 3 3  Outer diameter insulation 1,25 mm  Outer diameter insulation 2,05 mm  Material properties wire insulation 45 5 Shore D  Material properties wire insulation 2,05 mm  Material properties wire insulation CFC-free, cadmium-free, silicone-free, lead-free  Amount strands (wire) 1,4 mm  Material conductor wire Strand class 5 Shore A  Freedom from ingredients (licket) 4,5 mm  Tolerance outer diameter (scheath) 4,5 mm	·	
Additional condition temperature range depending on cable quality  Important installation notes  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.  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Conformity  Product standard DIN EN 61076-2-104 (M8)  Installation   Cable  Cable identification 210  Cable Type 1  Stranding 3 wires stranded  Wire arrangement brown, black, blue  Cable weigh 29,37 g/m  Material wire insulation PVC  Amount wires 3  Quiter diameter insulation 1.25 mm  Outer diameter insulation 1.25 mm  Outer diameter tolerance core insulation 45.5 Shore D  Material professive wire insulation GPC-free, cadmium-free, silicone-free, lead-free  Amount strands (wire) 14  Diameter of single wires 0.15 mm  Conductor pressection (wire) 0.25 mm²  Material conductor wire Stranded comper wire, barre  Conductor to give wire insulation 0.15 mm  Conductor pressection (wire) 0.25 mm²  Material conductor wire 0.25 mm²  Conductor pressection (wire) 14  Diameter of single wires 0.15 mm  Conductor pressection (wire) 0.25 mm²  Conductor pressection (wire) 1.5 mm  Conductor pressection (wire) 57 mm²  Conductor pressection (wire) 57 mm²  Conductor pressection (wire) 57 mm²  Conductor pressection (wire) 67 mm²  Conductor pressection (wire) 67 mm²  Attential conductor wire 57 mm²  Conductor pressection (wire) 79 n/km @ 20 °C  Nominal voltage (wire - wire) 2 kW @ 60 s  Withstand voltage (wire - Jacket) 2 kW @ 60 s		
Important installation notes           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.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Product standard         DIN EN 61076-2-104 (M8)           Installation   Cable         Conditional standard         210           Cable identification         210         Conditional stranding         1           Changing         3 wires stranded         Conditional stranding         1           Stranding         1         Conditional stranding         20.37 g/m           Material wire insulation         PVC         Conditional strain strain insulation         PVC           Material wire insulation         1,25 mm         Conditional strain strain insulation         ± 0.5 mm           Material properties wire insulation         ± 5 S Shore D         Material properties wire insulation         2 C - Cardinum-free, silicone-free, lead-free           Material properties wire insulation         CFC-free, cadmitum-free, silicone-free, lead-free         Conductor wire         Stranded copper wire, bare           Conductor crossection (wire)         0.25 mm²         Material conductor wire         Stranded copper wire, bare <td></td> <td></td>		
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Conformity  Product standard DIN En 61076-2-104 (M8)  Installation   Cable   Cable identification 210 Cable identification 1 Cable Type 1 Amount stranding 1 Stranding 3 wires stranded Wire arrangement brown, black, blue   Cable weigh 29.37 g/m 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 good machinability Ingredient reeness wire insulation Generated and properties wire insulation Generated of the Conductor crosssection (wire) 0.25 mm² Material properties wire insulation Generated of the Conductor vire Conductor vire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor for ingredient feelance (seven) ± 5 % Material protection (sincet) ± 5 % Material protection (wire) 97 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - jacket) 2 kV @ 60 s		depending on cable quality
endangered by excessive bending forces.  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Conformity  Product standard DIN EN 61076-2-104 (M8)  Installation   Cable  Cable identification 210  Cable Type 1  Amount stranding 1  Stranding 3 wires stranded  Wire arrangement brown, black, blue  Cable weight 29.37 g/m  Material wire insulation PVC  Amount wires 3  Outer diameter tolerance core insulation 45.5 Shore D  Material properties wire insulation pood machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free  Conductor type (wire) Strand class 5  Outer diameter (slexet) 4.5 mm  Tolerance outer diameter (sheath) 1.5 %  Material picket PVC  Amount strands (wire) 14  Diameter of single wires 0.15 mm  Conductor crosssection (wire) Stranded copper wire, bare  Conductor type (wire) Stranded copper wire, bare  Conductor type (wire) Strand class 5  Outer-diameter (slexet) 4.5 mm  Tolerance outer diameter (sheath) 1.5 %  Material picket PVC  Shore hardness jacket 85.5 Shore A  Freedom from ingredients (sacket) CFC-free, cadmium-free, silicone-free, lead-free  Material property (facket) GCFC-free, cadmium-free, silicone-free, lead-free  Material property (sacket) GCFC-free, cadmium-free, silicone-free, lead-free  Material property (facket) GCFC-free, cadmium-free, silicone-free, lead-free	important installation notes	
Conformity           Product standard         DIN EN 61076-2-104 (M8)           Installation   Cable           Cable identification         210           Cable Type         1           Amount stranding         1           Stranding         3 wires stranded           Wire arrangement         brown, black, blue           Cable weigh         29.37 g/m           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter sweir insulation         4.5 5 hore D           Material properties wire insulation         4.5 5 hore D           Material properties wire insulation         GFC-free, cadmium-free, slicone-free, lead-free           Amount strands (wire)         14           Dameter of single wires         0.15 mm           Conductor ressection (wire)         0.25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor (type (wire)         Stranded copper wire, bare           Conductor (glack)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material property (jacket)         9.0 C           Nominal voltage (wire)         7FC-free, cadmium-free, slicone-f		endangered by excessive bending forces.
Product standard         DIN EN 61076-2-104 (M8)           Installation   Cable           Cable identification         210           Cable Type         1           Amount stranding         1           Stranding         3 wires stranded           Wire arrangement         brown, black, blue           Cable weigth         29.37 g/m           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         45 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         GFC-free, cadmium-free, silicone-free, lead-free           Amount strands (wire)         14           Diameter of single wires         0.15 mm           Conductor oressection (wire)         0.25 mm²           Material properties wire insulation         CFC-free, cadmium-free, silicone-free, lead-free           Amount strands (wire)         14           Diameter of single wires         0.15 mm           Conductor type (wire)         0.25 mm²           Material conductor wire         Strand class 5           Outer-diameter (abet)         4.5 mm           Tolerance outer diame	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Installation   Cable           Cable identification         210           Cable Type         1           Amount stranding         1           Stranding         3 wires stranded           Wire arrangement         brown, black, blue           Cable weigth         29.37 g/m           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         ± 0.05 mm           Shore bardness wire insulation         ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         CFC-free, cadmium-free, silicone-free, lead-free           Amount strands (wire)         14           Diameter of single wires         0.15 mm           Conductor crosssection (wire)         0.25 mm²           Material conductor wire         Strand class 5           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PVC           Shore hardness jacket         8 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, lead-free           Material propert	Conformity	
Cable identification         210           Cable Type         1           Amount stranding         1           Stranding         3 wires stranded           Wire arrangement         brown, black, blue           Cable weigth         29.37 g/m           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         ± 0.05 mm           Shore hardness wire insulation         ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         GFC-free, cadmium-free, silicone-free, lead-free           Amount strands (wire)         14           Diameter of single wires         0.15 mm           Conductor oxissection (wire)         0.25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Stranded copper wire, bare           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PVC           Shore hardness jacket         PVC           Material property (jacket)         Good machinability           Condu	Product standard	DIN EN 61076-2-104 (M8)
Cable Type         1           Amount stranding         1           Stranding         3 wires stranded           Wire arrangement         brown, black, blue           Cable weigth         29.37 g/m           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         ± 0.05 mm           Shore hardness wire insulation         45 5 Shore D           Material properties wire insulation         GFC-free, cadmium-free, silicone-free, lead-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)         Strand class 5           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PVC           Shore hardness jacket         85 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, lead-free           Material jacket         CFC-	Installation   Cable	
Amount stranding         1           Stranding         3 wires stranded           Wire arrangement         brown, black, blue           Cable weigth         29.37 g/m           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         ± 0.05 mm           Shore hardness wire insulation         45 5 Shore D           Material properties wire insulation         CFC-free, cadmium-free, silicone-free, lead-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           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PVC           Shore hardness jacket         85 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, lead-free           Material property (jacket)         good machinability           Conductor resistance (wire)         79 Ω/km @ 20 °C           Nominal v	Cable identification	210
Stranding 3 wires stranded  Wire arrangement brown, black, blue  Cable weigth 29.37 g/m  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1.25 mm  Outer diameter insulation 45 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-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  Outer-diameter (jacket) 4.5 mm  Tolerance outer diameter (sheath) ± 5 %  Material jacket PVC  Shore hardness jacket 85 5 Shore A  Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free  Material property (jacket) Geode S  Withstand voltage (wire - yince) 2 kV @ 60 s  Withstand voltage (wire - jacket) 2 kV @ 60 s	Cable Type	1
Wire arrangement brown, black, blue  Cable weigth 29.37 g/m  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1.25 mm  Outer diameter tolerance core insulation 45 S Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-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  Outer-diameter (jacket) 4.5 mm  Tolerance outer diameter (sheath) ± 5 %  Material jacket PVC  Shore hardness jacket 85 S Shore A  Freedom from ingredients (jacket) Good machinability  good machinability  Group of the service of	Amount stranding	1
Cable weigth         29.37 g/m           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         ± 0.05 mm           Shore hardness wire insulation         45 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         CFC-free, cadmium-free, silicone-free, lead-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           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PVC           Shore hardness jacket         85 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, lead-free           Material property (jacket)         good machinability           Conductor resistance (wire)         79 Ω/km @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - wire)         2 kV @ 60	Stranding	3 wires stranded
Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         ± 0.05 mm           Shore hardness wire insulation         45 5 Shore D           Material properties wire insulation         GPC-free, cadmium-free, silicone-free, lead-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           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PVC           Shore hardness jacket         85 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, lead-free           Material property (jacket)         good machinability           Conductor resistance (wire)         79 Ω/km @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - wire)         2 kV @ 60 s           Withstand voltage (wire - jacket)         2 kV @ 60 s	Wire arrangement	brown, black, blue
Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         ± 0.05 mm           Shore hardness wire insulation         45 5 Shore D           Material properties wire insulation         GPC-free, cadmium-free, silicone-free, lead-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           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PVC           Shore hardness jacket         85 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, lead-free           Material property (jacket)         good machinability           Conductor resistance (wire)         79 Ω/km @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - wire)         2 kV @ 60 s           Withstand voltage (wire - jacket)         2 kV @ 60 s	Cable weigth	
Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-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 spee wire, bare Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - jacket) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s	Material wire insulation	PVC
Outer diameter tolerance core insulation         ± 0.05 mm           Shore hardness wire insulation         45 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         CFC-free, cadmium-free, silicone-free, lead-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           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PVC           Shore hardness jacket         85 5 Shore A           Freedom from ingredients (jacket)         CFC-free, cadmium-free, silicone-free, lead-free           Material property (jacket)         good machinability           Conductor resistance (wire)         79 Ω/km @ 20 °C           Nominal voltage AC max.         300 V           Withstand voltage (wire - wire)         2 kV @ 60 s           Withstand voltage (wire - jacket)         2 kV @ 60 s	Amount wires	3
Shore hardness wire insulation  Material properties wire insulation  GFC-free, cadmium-free, silicone-free, lead-free  Amount strands (wire)  14  Diameter of single wires  0.15 mm  Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 5  Outer-diameter (jacket)  4.5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material jacket  PVC  Shore hardness jacket  85 5 Shore A  Freedom from ingredients (jacket)  CFC-free, cadmium-free, silicone-free, lead-free  Material property (jacket)  GPC-free, cadmium-free, silicone-free, lead-free  Material property (jacket)  OCFC-free, cadmium-free, silicone-free, lead-free  Material property (jack	Outer diameter insulation	1.25 mm
Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-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 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 5 Shore A Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free Material property (jacket) good machinability Conductor resistance (wire) 79 Ω/km @ 20 °C Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s	Outer diameter tolerance core insulation	± 0.05 mm
Ingredient freeness wire insulation  CFC-free, cadmium-free, silicone-free, lead-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  Outer-diameter (jacket)  4.5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material jacket  PVC  Shore hardness jacket  85 5 Shore A  Freedom from ingredients (jacket)  CFC-free, cadmium-free, silicone-free, lead-free  Material property (jacket)  Groductor resistance (wire)  79 Ω/km @ 20 °C  Nominal voltage AC max.  300 V  Withstand voltage (wire - wire)  2 kV @ 60 s  Withstand voltage (wire - jacket)  2 kV @ 60 s	Shore hardness wire insulation	45 5 Shore D
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  Outer-diameter (jacket) 4.5 mm  Tolerance outer diameter (sheath) ± 5 %  Material jacket PVC  Shore hardness jacket 85 5 Shore A  Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free  Material property (jacket) good machinability  Conductor resistance (wire) 79 Ω/km @ 20 °C  Nominal voltage AC max. 300 V  Withstand voltage (wire - wire) 2 kV @ 60 s  Withstand voltage (wire - jacket) 2 kV @ 60 s	Material properties wire insulation	good machinability
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  Outer-diameter (jacket)  4.5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material jacket  PVC  Shore hardness jacket  85 5 Shore A  Freedom from ingredients (jacket)  CFC-free, cadmium-free, silicone-free, lead-free  Material property (jacket)  Gonductor resistance (wire)  79 \( \Omega \text{km} \text{ @ 20 °C} \)  Nominal voltage AC max.  300 V  Withstand voltage (wire - wire)  2 kV \( \employe \text{ 60 s} \)  Withstand voltage (wire - jacket)  2 kV \( \employe \text{ 60 s} \)  Withstand voltage (wire - jacket)  2 kV \( \employe \text{ 60 s} \)	Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free
Conductor crosssection (wire)       0.25 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       Strand class 5         Outer-diameter (jacket)       4.5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material jacket       PVC         Shore hardness jacket       85 5 Shore A         Freedom from ingredients (jacket)       CFC-free, cadmium-free, silicone-free, lead-free         Material property (jacket)       good machinability         Conductor resistance (wire)       79 Ω/km @ 20 °C         Nominal voltage AC max.       300 V         Withstand voltage (wire - wire)       2 kV @ 60 s         Withstand voltage (wire - jacket)       2 kV @ 60 s	Amount strands (wire)	14
Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       Strand class 5         Outer-diameter (jacket)       4.5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material jacket       PVC         Shore hardness jacket       85 5 Shore A         Freedom from ingredients (jacket)       CFC-free, cadmium-free, silicone-free, lead-free         Material property (jacket)       good machinability         Conductor resistance (wire)       79 Ω/km @ 20 °C         Nominal voltage AC max.       300 V         Withstand voltage (wire - wire)       2 kV @ 60 s         Withstand voltage (wire - jacket)       2 kV @ 60 s	Diameter of single wires	0.15 mm
Conductor type (wire)  Strand class 5  Outer-diameter (jacket)  4.5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material jacket  PVC  Shore hardness jacket  85 5 Shore A  Freedom from ingredients (jacket)  CFC-free, cadmium-free, silicone-free, lead-free  Material property (jacket)  good machinability  Conductor resistance (wire)  79 \( \Omega \rm m \)  Withstand voltage AC max.  300 V  Withstand voltage (wire - wire)  2 kV \( \omega \text{ 60 s} \)  Withstand voltage (wire - jacket)  2 kV \( \omega \text{ 60 s} \)	Conductor crosssection (wire)	0.25 mm <sup>2</sup>
Outer-diameter (jacket)  7 olerance outer diameter (sheath)  ### 5 %  Material jacket  PVC  Shore hardness jacket  ### 85 5 Shore A  Freedom from ingredients (jacket)  ### CFC-free, cadmium-free, silicone-free, lead-free  Material property (jacket)  Good machinability  Conductor resistance (wire)  ### 79 \( \Omega / \text{km } \emptyred 20 \circ \text{C}  Nominal voltage AC max.  ### 300 V  Withstand voltage (wire - wire)  ### 2 kV \( \emptyred \text{60 s} \text{S}  ### 300 V	Material conductor wire	Stranded copper wire, bare
Tolerance outer diameter (sheath) ± 5 %  Material jacket PVC  Shore hardness jacket 85 5 Shore A  Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free  Material property (jacket) good machinability  Conductor resistance (wire) 79 Ω/km @ 20 °C  Nominal voltage AC max. 300 V  Withstand voltage (wire - wire) 2 kV @ 60 s  Withstand voltage (wire - jacket) 2 kV @ 60 s	Conductor type (wire)	Strand class 5
Material jacketPVCShore hardness jacket85 5 Shore AFreedom from ingredients (jacket)CFC-free, cadmium-free, silicone-free, lead-freeMaterial property (jacket)good machinabilityConductor resistance (wire)79 Ω/km @ 20 °CNominal voltage AC max.300 VWithstand voltage (wire - wire)2 kV @ 60 sWithstand voltage (wire - jacket)2 kV @ 60 s	Outer-diameter (jacket)	4.5 mm
Shore hardness jacket 85 5 Shore A  Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free  Material property (jacket) good machinability  Conductor resistance (wire) 79 \( \Omega / \text{km} \) \( \omega 20 \circ C \)  Nominal voltage AC max. 300 V  Withstand voltage (wire - wire) 2 kV \( \omega 60 \) s  Withstand voltage (wire - jacket) 2 kV \( \omega 60 \) s	Tolerance outer diameter (sheath)	± 5 %
Freedom from ingredients (jacket)  CFC-free, cadmium-free, silicone-free, lead-free  Material property (jacket)  good machinability  Conductor resistance (wire)  79 \( \Omega \)/km \( \omega \) 20 °C  Nominal voltage AC max.  300 V  Withstand voltage (wire - wire)  2 kV \( \omega \) 60 s  Withstand voltage (wire - jacket)  2 kV \( \omega \) 60 s	Material jacket	PVC
Material property (jacket)     good machinability       Conductor resistance (wire)     79 Ω/km @ 20 °C       Nominal voltage AC max.     300 V       Withstand voltage (wire - wire)     2 kV @ 60 s       Withstand voltage (wire - jacket)     2 kV @ 60 s	Shore hardness jacket	85 5 Shore A
Conductor resistance (wire)79 Ω/km @ 20 °CNominal voltage AC max.300 VWithstand voltage (wire - wire)2 kV @ 60 sWithstand voltage (wire - jacket)2 kV @ 60 s	Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free
Nominal voltage AC max. 300 V Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s	Material property (jacket)	good machinability
Withstand voltage (wire - wire) 2 kV @ 60 s Withstand voltage (wire - jacket) 2 kV @ 60 s	Conductor resistance (wire)	79 Ω/km @ 20 °C
Withstand voltage (wire - jacket) 2 kV @ 60 s	Nominal voltage AC max.	300 V
	Withstand voltage (wire - wire)	2 kV @ 60 s
Current load capacity (standard) to DIN VDE 0298-4	Withstand voltage (wire - jacket)	
	Current load capacity (standard)	to DIN VDE 0298-4

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: 2025-09-16



Current load capacity min. wire	4.5 A	
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 § 1080, CSA FT1, IEC 60332-1-2	
Oil resistance	good	
Chemical resistance	good	
Other resistances	good resistance to gasoline	
Bending radius (fixed)	5 × Outer diameter	
Bending radius (dynamic)	10 × Outer diameter	