

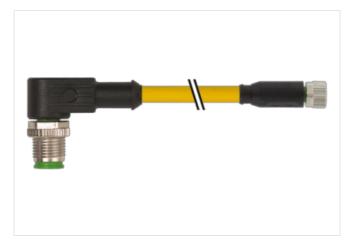
M12 male 90° / M8 female 0° A-cod.

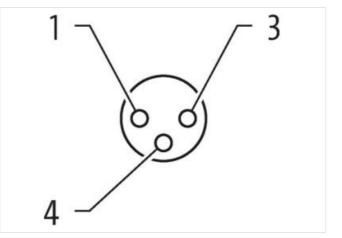
PVC 3x0.25 ye UL/CSA 8m

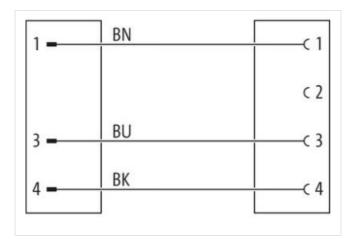
Male 90° – female straight M12 – M8, 3-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

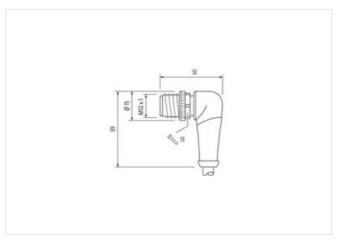
Link to Product

Illustration



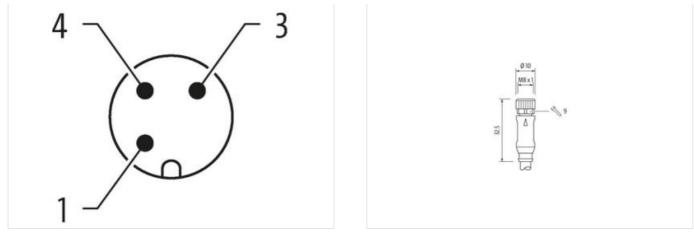






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-26





Product may differ from Image



Cable length	8 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	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
GTIN	4048879439916
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V

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: 2024-04-26



Device protection is protection signers reserved Additional condition protection signers 1.5 kV Reads args orders 1.5 kV Rechanical data [Material data] mixed args orders Material scree wormection Zine dire-asting Rechanical data [Material data] inserted, screensd, Shaking protection Rechanical data [Material acros wormed, Shaking protection Economic on temperature man. Review on method inserted, screensd, Shaking protection Constraint gimperature man. 85 °C Constraint formerature man. 65 °C Additional condition temperature mange depending on caste quality Inselfaction 0.10 Gabin form[Gattom on temperature mange depending on caste quality Inselfaction 0.10 Gabin form[Gattom on temperature mange depending on caste quality Inselfaction 0.10 Gabin form[Gattom on temperature mange depending on caste quality Inselfaction 0.10 Gabin form[Gattom on temperature mange depending on caste quality Inselfaction 0.10 Gabin form[Gattom on temperature mange	Current operating per contact max.	4 A
Additional condition protection legreeinserted, screwedRated arge voltage1.8 kVMechanical disk Material dataMechanical disk Material dataMaterial screwe connectionZire die cautingMechanical disk Mounting dataMechanical disk Mounting dataMechanical disk Mounting dataMechanical disk Mounting dataPoraling tomperature min.25 °GOperating tomperature min.25 °GOperating tomperature min.25 °GOperating tomperature min.010Cable Type1Cable distriction (CableUna distriction (CableUna distriction (CableUna distriction (Cable Screwed)1Screwed)1Screwed)Screwed)1Screwed)1Screwed) <td< td=""><td></td><td></td></td<>		
Rated aurge vortage 1,5 kV Mechanical dris [Material data Casting of firm Casting of firm Incide plated Material screw connection Zinc die-casting Mechanical dris [Mounting data Incertex.screwed. Shaking protection Environmental characteristics [Climatic Operating temperature max. Operating temperature max. B5 °C Additional condition temporature range depending on cable quality Instaliation [Cable Control temporature range Operating temperature max. B5 °C Additional condition temporature range depending on cable quality Instaliation [Cable Type] 1 Cable Chype 1 Cable Chyperantere	· ·	inserted earswed
Mechanical dia / Marinal data Casting of Itting nickel plated Material serve venesion Zine die-aasting Meuring method inserted, sorewed, Shaking protection Environmental characteristics [Climate Operating temperature min. Operating temperature min. 25 °G Cable outfilterition 010 Cable outfilterition 018 Stranting 1 Stranting 1 Stranting 1 Stranting 1 Cable weigh 2.3.7 µm Cable outfilterition 5.5 % Strantin train		· · · · · · · · · · · · · · · · · · ·
Coaling of Itiling nickel plated Material serve connection Zin die casting Mechanical data (Mounting data) Insorted, sorwed, Shaking protoction Environmental characteriatics [Climate] Operating temperature max. 85 °C Operating temperature max. 85 °C Addronal condition temperature may. Debrating temperature max. 85 °C Addronal condition temperature may. Debrating temperature max. 85 °C Addronal condition temperature may. Debrating temperature max. 85 °C Addronal condition temperature may. Debrating temperature max. 85 °C Addronal condition temperature may. Databalizon (Code) Velow Velow Cable toothiftcation 010 Cable Code Standing velow Velow Type of Certificate OPUs Code code Standing velow Velow Velow services ficket 85 °S Sone A Fereo Conton ingredients (soleth) Toker advens ploket 85 °S Sone A Fereo Conton ingredients (soleth) Outer diamoter insolution 1.25 °N Code code <t< td=""><td></td><td>1,5 KV</td></t<>		1,5 KV
Material screw connection Zinc die-casting Material screw connection Inserted, sorwed, Shaking protection Environmental characteristics Climatic Control Operating temporature max. 85 °C Additional condition temperature range depending on cable quality Installicion Cable Cable identification Cable Group 1 Jackal Color yollow Type of Certificate cURus Amount stranding 1 Stranding 3 wises bwisted Weire arrangement brown, black, blue Cable weight 29 37 gim Material schu PVC Strone Indenders (gacket) 45 ± 5 Shore A Freedom tom ingedients (gacket) 45 ± 5 Shore A Freedom tom ingedients (gacket) 45 ± 5 Shore A Outer diameter (facket) 4.5 mm Cater diameter insulation PVC Amount stranding 1 Outer diameter insulation 45 ± 5 Shore D Ander wires insulation PVC Anount wires 3 Outer diameter insulation <td>Mechanical data Material data</td> <td></td>	Mechanical data Material data	
Mochanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. 25 °C Operating temperature min. 25 °C Commental characteristics Climatic Mathematical condition temperature maps depending on cable quality Commental characteristics Additional condition temperature maps depending on cable quality Commental characteristics Cable identification 010 Cable identification Cable identification Cable identification 010 Cable identification Cable identification Anoant strandgn 1 Cable identification Cable identification Cable identification Stranding 3 wires brieted Proventification Cable identification Cable identification Cable adigith 28.3 °g vin Material packet ProvC Stranding Freedom from ingredients (tacket) 4.5 °m Cable identification Cable identification Cable adigith 5.5 °S Stranding Cable identification Cable identification Cable adigith wire installation <td< td=""><td>Coating of fitting</td><td>-</td></td<>	Coating of fitting	-
Mounting method Inserted, screwed, Shaking protoction Environmental characteristics [Climatic 25 °C Operating temperature max. 25 °C Depending temperature may depending on cable quality Installation (cable Cable identification 010 Cable identification 10 Cable identification 1 Cable identification 1 Cable identification 1 Cable identification 1 Stranding 3 views twisted Wire arrangement brown, black, blue Cable weigh 29.3 °D Material jacket PVC Stron fundress jacket 85 °S hore A Freedom from rignetime (incket) 4.5 °M Outer-dimeter (incket) 4.5 °M Outer-dimeter insulation PVC Amount strands 3 Outer dimeter insulation 45 °S Shore D Material properies wire insulation 45 °S Shore D Material properies wire insulation 45 °S Shore D Material properies wire insulation 45 °S Shore D	Material screw connection	Zinc die-casting
Environmental characteristics Climattu 25 °C Operating temperature min. 25 °C Additional condition temperature range depending on cable quality Installation Cable	Mechanical data Mounting data	
Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature max. 85 °C Installational Cobie Cable identification Cable identification 010 Cable identification 010 Cable of Continues OUPsa Amount stranding 1 Stranding 3 wires twisted Wire arrangement brown, black, blue Cable weight 29,37 g/m Material jacket PVC Store flandners jacket 85 ± 5 Store A Freedom from ingredients (jacket) 4,5 rm Tolerance outer dameter (jacket) 1,25 % Outer diameter (jacket) 1,25 % Outer diameter (weins stallation PVC Store flandners wein insulation 1,25 % Outer diameter (weins stallation) 1,25 % Outer diameter (weins stallation) 1,25 % Store flandners wire insulation 4,5 ± 5 Store D Material wire insulation 1,25 % Store flandners wire insulation 4,5 ± 5 Store D Material propert	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Installation Cobic 010 Cable identification 010 Type of Certificate cuFlus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 29,37 g/m Material jacket PVC Shore hardness jacket B5 4.5 Shore A Freedom from ingredients (jacket) 4.5 rm Outer diameter (leaketh) 4.5 rm Tolerance outer diameter (naulation PVC Amount twices 3 Outer diameter insulation 1.25 rm Outer diameter insulation 4.5 r% Material properties wire insulation 1.65 rm ² Outer diameter insulation 1.5 % Shore hardness wire insulation 1.60 rm	Environmental characteristics Climatic	
Additional condition temperature range depending on cable quality Installation (Cable Cable identification 010 Cable Type 1 Jackat Color yellow Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jackat PVC Shore hardmass jackat B4 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4.5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 4.5 % Shore hardmess wire insulation 1.25 mm Outer diameter insulation 1.25 mm Caduet strands (wire) 14 Diamet disperse 0.15 mm Conductor type (wire) 14 Diamet or single wires 0.15 mm Conductor type (wire) 5 Kandeld coger wire, bare Conductor type (wire) Strandeld coger wire, bare <t< td=""><td>Operating temperature min.</td><td>-25 °C</td></t<>	Operating temperature min.	-25 °C
Installation Cable Cable identification 010 Cable identification 1 Jacket Color yellow Type of Cartificatie 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 tree, cachium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (shealth) ± 5 %. Material jacket PVC Material insulation PVC Material properties wire insulation PVC Material properties wire insulation 1,25 mm Outer diameter (shealth) ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation lead free, cachium free, CFC-free, silicone-free Carbot rorssaection (wire) 0,25 mm² Conductor type (wire) 14 Bannetor of sing lavkries	Operating temperature max.	85 °C
Cable identification010Cable Type1Jaket ColoryellowType of CertificatecJRusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weight29.37 g/mMatorial jacktPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-tree, cadmium-tree, CFC-tree, silicone-freeCuter diameter (shoath)± 5 %Material jacktPVCShore hardness (jacket)lead-tree, cadmium-tree, CFC-tree, silicone-freeCuter diameter (shoath)± 5 %Material archiness insulationPVCOuter diameter (shoath)± 5 %Material wrie insulation1,25 mmOuter diameter one insulation1,25 mmOuter diameter using insulation4 5 t 5 Shore DMaterial properties wire insulationlead free, cadmium-free, CFC-free, silicone-freeCuter diameter one insulation4 5 t 5 Shore DMaterial properties wire insulationlead free, cadmium-free, CFC-free, silicone-freeCuter diameter one insulationlead free, cadmium-f	Additional condition temperature range	depending on cable quality
Cable Type 1 Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 3 wires wisted wire arrangement brown, black, blue Cable weigh 29.3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm Tolerance outer diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PVC Amount stranding 3 Outer diameter loance or insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 4.5 % Shore hardness wire insulation 4.5 % Material properties wire insulation 4.5 % Material properties wire insulation 1.4 Diameter of single wires 0,15 mm Conductor crossection (wire) 0.25 mm² Canductor type (wire) Strand dass 5 Current load capacity (standard) to DIN VDE C298-4 <td>Installation Cable</td> <td></td>	Installation Cable	
Cable Type 1 Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 3 wires wisted wire arrangement brown, black, blue Cable weigh 29.3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm Tolerance outer diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PVC Amount stranding 3 Outer diameter loance or insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 4.5 % Shore hardness wire insulation 4.5 % Material properties wire insulation 4.5 % Material properties wire insulation 1.4 Diameter of single wires 0,15 mm Conductor crossection (wire) 0.25 mm² Canductor type (wire) Strand dass 5 Current load capacity (standard) to DIN VDE C298-4 <td>Cable identification</td> <td>010</td>	Cable identification	010
Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedWire arrangementbrown, black, blueCable weigh29.37 g/mMaterial jacketPVCShore hardness jacket85.5 Shore AFreedom troin ingredients (jacket)4.5 mmTolerance outer diamoter (sheath)1.5 %Material wer insulationPVCAmount strands3Outer-diameter (jacket)4.5 mmTolerance outer diamoter (sheath)1.5 %Material wer insulationPVCAmount strands3Outer diameter (sheath)1.5 %Shore hardness wire insulation1.25 mmOuter diameter (sheath)4.5 ± 5 Shore DMaterial were insulation1.25 mmOuter diameter (sheath)1.4 ± 5 %Shore hardness wire insulation4.5 ± 5 Shore DMaterial properties wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)1.4Diameter of blew wire0.15 mmConductor type (wire)Strand class 5Current load capacity (sindard)to DIN VDE 0298-4Current load capacity (sindard)to DIN VDE 0298-4Current load capacity (min, wire4.5 AElectrical reststance1.2 % 0.0 %Naming voltage power AC max.300 VPower frequency withstand voltage power (wire - wire)2.4 % 0.6 %Noming temperature (fixed)80 °COperating temperature (fixed)80 °C<		
Type of CertificatecURusAmount Stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter diameter (jacket)4.5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount Wires3Outer diameter tolerance outer diameter (sheath)± 5 %Shore hardness wire insulation± 5 %Outer diameter tolerance outer onsulation± 5 %Shore hardness wire insulation4 5 ± 5 Shore DMaterial properties wire insulation4 5 ± 5 Shore DMaterial properties wire insulation4 5 ± 5 Shore DMaterial properties wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0.15 mmConductor wiresStranded coper wire, bareConductor wireStranded coper wire, bareConductor wire)Strand class 5Current tolad capacity (stindard)to DIN VDE 0288-4Current tolad capacity (stindard)to DIN VDE 0289-4Current tolad capacity (stindard) </td <td></td> <td>vellow</td>		vellow
Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 29,37 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness jacket Bet 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 1.25 mm Outer diameter tolerance core insulation 4.5 t 5 Shore D Material wire insulation 4.5 t 5 Shore D Material properties wire insulation 4.5 t 5 Shore D Material properties wire insulation 4.5 t 5 Shore D Material properties wire insulation 14 Diameter of single wires 0.15 mm Conductor trossection (wire) 0.25 ms² Material conductor wire Strand copper wire, bare Conductor type (wire) Strand casa 5 Current load capacity min. wire 4.5 A Electrical resistanc	Type of Certificate	
wire arangement brown, black, blue Gable weigh 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 fusulation 1,25 mm Outer diameter fusulation ± 5 % Material wire insulation 45 ± 5 Shore D Shore hardness 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 wire Strand class 5 Courrent load capacity (min, wire 4,5 A Conductor type (wire) Strand class 5 Current load capacity (min, wire 4,5 A Electrical resistance line constant wire 70 L/km @ 20 °C		
Cable weigh 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 ± 5 % Shore hardness wire insulation 4.5 ± 5 Shore D 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 type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strande dass 5 Current load capacity (wirth wire 4.5 A Electrical resistance l	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 45 ± 5 Shore D Material properties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor type (wire) Strand class 5 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standardolas 5 Current load capacit	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 tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 4 5 ± 5 Shore D Material wire insulation 9 ± 5 % 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 Strand class 5 Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) to DIN VDE 028-4 Current load capacity (wire - wire) 2 kV @ 60 s Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2 kV @	Cable weigth	29,37 g/m
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 insulation ± 5 % Shore hardness wire insulation ± 5 % some Material properties wire insulation 900d machinability Ingredient freeness wire insulation 900d machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor wire Strand class 5 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2 kV @ 60 s Material resistance line constant wire 79 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - aixet)	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 crossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor vire Strande copper wire, bare Conductor vire Stranded copper wire, bare Courrent load capacity (standard) to IN VDE 0298-4 Current load capacity win. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C <td>Shore hardness jacket</td> <td>85 ± 5 Shore A</td>	Shore hardness jacket	85 ± 5 Shore A
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 vire Stranded copper wire, bare Conductor wire Strande copper wire, bare Conductor wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operat	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 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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wins. wire 45 A Electrical resistance line constant wire 79 Ω/km @ 20 °C Nominal voltage power (Wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C <	Outer-diameter (jacket)	4,5 mm
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-5 °COperating temperature (dynamic)80 °COperating temperature min. (dynamic)80 °COperating temperature max. (dynamic)80 °COperating temperature max. (dynamic)80 °COperating temperature (dynamic)80 °COperating temperature (dynamic)80 °COperating temperature max. (dynamic)80 °C <tr <td="">Operating temperature max. (</tr>	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 900d machinability Ingredient freeness wire insulation 900d 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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Q/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Operating temperature max. (dynamic) 80 °C Operating temperature max.	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 % 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) Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Amount wires	3
Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity win. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature min. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Outer diameter insulation	1,25 mm
Material properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strande copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Strande copper vire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (tixed)80 °COperating temperature (min. (dynamic))-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Outer diameter tolerance core insulation	± 5 %
Ingredient properties wire insulation Image of the insulation Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Fla	Shore hardness wire insulation	45 ± 5 Shore D
Amount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity (min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Material properties wire insulation	good machinability
Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Amount strands (wire)	14
Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature max. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Diameter of single wires	0,15 mm
Conductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature max. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Conductor crosssection (wire)	0,25 mm ²
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Conductor type (wire)	Strand class 5
Electrical resistance line constant wire79 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Current load capacity min. wire	4,5 A
Power frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	Electrical resistance line constant wire	79 Ω/km @ 20 °C
(wire - jacket) 2 kV @ 60 s AC withstand voltage power (wire - wire) 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 IEC 60332-2-2 UL 1581 § 1090		300 V
Min. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	(wire - jacket)	-
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090		2 kV @ 60 s
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090		
Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090		
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090		
chemical resistance Good, application-related testing		
	chemical resistance	Good, application-related testing

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: 2024-04-26



Gasoline resistance

Good, application-related testing

Gasoline resistance	dood, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

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: 2024-04-26