

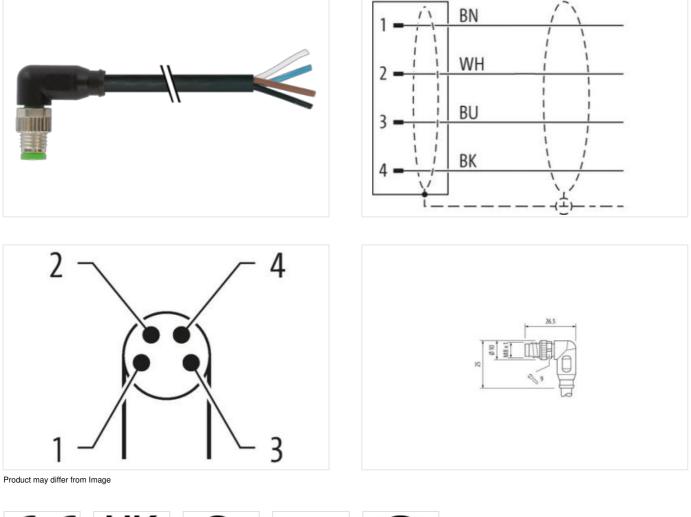
M8 male 90° A-cod. with cable

PVC 4x0.25 bk UL/CSA 35m

Male 90° M8, 4-pole Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request with cable sleeves 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





35 m

0,4 Nm

Cable length

alar to the

Side 1

Tightening torque

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: 2024-06-26



Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	angled
Coding	Α
Material	PUR
No. of poles	4
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27061801
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
GTIN	4065909046142
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M8 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	1
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Brass
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	

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Jacket Color black Type of Certificate clicket Control standing 1 Certificate clicket Color clicket	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality Important Installation notes Protect the connectors by suitable measures from mechanical bads, s.g. by the usage of cable ises. Note on stain reliaf Protect the connectors by suitable measures from mechanical bads, s.g. by the usage of cable ises. Note on stain reliaf DIN EN 61076 2-104 (M0) Installation (Cable UNIN Note, black, blue, while Cable identification 611 Cable identification 615 Cable identification 615 Cable identification <td>Operating temperature max.</td> <td>85 °C</td>	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ises. Note on bencing radius Attention: Colserve the permissible bencing radiu when laying cables, as the IP protection class can be undergreated by succesive budging forus. Conformity Product standard DIE N 61076-2-104 (M6) Installation Colse With a management Brown, black, blue, while Cable dismification 611 Cable dismification 617 Cable weight 94,763 g/m Material jacket PVC Stranding 15 55 m A Teledom tomi ingreations (jacket) 16 a 5 % Material jacket PVC Amount vises 4 Outer diameter (interact) 4 5 % Material jack distribution 9 % Store hardnass vise imutalion 12 % % Dared distributio		depending on cable quality
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ises. Note on bencing radius Attention: Colserve the permissible bencing radiu when laying cables, as the IP protection class can be undergreated by succesive budging forus. Conformity Product standard DIE N 61076-2-104 (M6) Installation Colse With a management Brown, black, blue, while Cable dismification 611 Cable dismification 617 Cable weight 94,763 g/m Material jacket PVC Stranding 15 55 m A Teledom tomi ingreations (jacket) 16 a 5 % Material jacket PVC Amount vises 4 Outer diameter (interact) 4 5 % Material jack distribution 9 % Store hardnass vise imutalion 12 % % Dared distributio	Important installation notes	
Note on bending radius Attention: Observe the parmissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contornity Product standard DN EN 51076.2 104 (MB) Installation I Cable wer arrangeront brown, black, blue, white Contornity Cable inferation 611 Contornity Cable inferation 611 Contornity Type of Cartificate CJPusis Contornity Amount stranding 1 Contornity Stranding 4 wires twisted Stranding 1 Stranding 4 wires twisted Stranding 1 Stranding 4 wires twisted Stranding Stranding 1 Stranding 4 wires twisted Stranding 5 Stranding 5 Stranding Stranding 4 strandister PVC Stranding 3 Stranding 4 strandister Cable dewelph 1.5 Stranding 1.5 Stranding 4 Contornity Older diameter instandistion 1.25 rm Contornity Stranding 4 strandistion Outer diameter instandistion		Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
Bital glenci by Accessive Der hang 'uruse. Product standard DIN EN 61076-2-104 (M8) Installication (Cable We arrangement Down, black, blue, while Cable identification 611 Cable identification 611 Cable identification 1 Standard Dirack Dirack Apoint strandgement Down, black, blue, while Cable weigh 1 Standard Stranding 4 wites builted Strandard Weite arrangement Down, black, blue, while Cable weigh Stranding 4 wites builted Strandard Weite Strandard PVC Strandard Strandard metring 5 % Strandard Strandard Strandard Freedom from ingradients (lacket) 4.8 m Strandard Strandard Older diameter (strandard) 4.5 % Strandard Strandard Strandard Strandard 5 % Strandard Strandard Strandard Outer diameter insulation 4.5 % Strandard Strandard Strandard Outer diameter insulation		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standard DIN EN 61076-2:104 (M6) Installation (Cable wire arrangement brown, black, blue, white Cable identification 011 Cable identification 11 Cable identification 11 Cable identification 11 Cable identification 01 Type of Cartificate cURus Amount stranding 1 Standing 4 vires bvisled wire arrangement brown, black, blue, while Cable weigh 34,76 g/m Material jacket PVC Store hardness jacket 55,55 Store A Freedom from ingredents (jacket) 18a,476 e.g. cadmum-free, CPC-free, allcone-free Outer diameter (jacket) 4,8 mm Tolerance outer diameter (jacket) 4,8 mm Cardianter insulation PVC Amount wires 4 Outer diameter insulation pVC Amount wires 4,5 5 Store D Material proprinter wires insulation j 5 % Store hardness wire insulation j 5 % StoreD Dimeter of si	-	endangered by excessive bending forces.
Installation (Cable wire arrangement brown, black, blue, while Cable isdentification 611 Cable Stype 1 Jackat Color black Type af Cartificate cURus Amount stranding 1 Stranding 4 wires wished wire arrangement brown, black, blue, white Cable weight 34,78 g/m Material jacket PVC Shore hardiness jacket 85 ± 5 Shore A Freedom from Ingredients (lacket) 168 ± 5 Shore A Freedom from Ingredients (lacket) 48 ± 5 Shore A Freedom from Ingredients (lacket) 45 ± 5 Shore A Colar diameter (lacket) 4 ± 5 % Candradies wei insulation 1.25 mm Outer diameter finaulation 1.25 mm Outer diameter finaulation 4 ± 5 Shore D Material wei insulation 45 ± 5 Shore D Material properties wei insulation 162 from Conduct throw in sulation 45 ± 5 Shore D Material arbitration contrainsulation 1.25 mm Conduct throwei insulation	Conformity	
wire arrangementbrown, black, blue, whiteCable information611Cable Type1Jacket ColorblackType of CertificateCURusAnounit stranding1Stranding4 wires twelledWire arrangementbrown, black, blue, whiteCable weigh54,76 g/mMaterial jacketPVCShorn hardness jacket55 5 Shore AFreedom from ingredients (jacket)less-free, cadmium-free, CFC-free, silicone-freeOuter -diameter (jacket)4,9 mmCalera ocutier diameter (sheath)1,5 %Material jacketPVCShore hardness jacket4Colara ocutier diameter (sheath)1,5 %Material viro insulationPVCAmount wires4Cuter diameter insulation1,25 mmCuter diameter insulation1,25 mmCuter diameter insulation1,5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties were insulation1,5 mmCuter diameter tweinsulation1,5 mmConductor crassection (wire)0,15 mmConductor crassection (wire)0,15 mmConductor viro were insulation1,25 mmConductor viro were strand doc coper wire, bareConductor viro were strand doc coper wire, bareConductor viro were strand doc coper wire, bareConductor viro (were)5 rtm diams 5Nominal votage Armax.300 VCurrent toad capacity (int, wire)3,6 AElectrical resistance line constant were <td< td=""><td>Product standard</td><td>DIN EN 61076-2-104 (M8)</td></td<>	Product standard	DIN EN 61076-2-104 (M8)
Cable identification 611 Cable Type 1 Cable Type 1 Lacket Color black Type of Certificate cURus Arnout stranding 1 Stranding 4 wires twisted wire arrangement brown. black, blue, white Cable weight 34,76 g/m Material jacket PVC Shore hardness jacket 85 5 5 Shore A Freedom from ingredients (jacket) 4.8 mm Cuber-diameter (jacket) 4.8 mm Cable adjustion PVC Arnout wires 4 Outer diameter (isoket) 5 % Shore hardness wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 6 ± 5 Shore D Material properties wire insulation 1.6 ± 5 % Conductor crosses wire insulation 1.6 ± 5 % Diameter of single wires 0.15 mm Conductor crosses wire insulation 1.6 ± 5 % Conductor type (wire) 3.5	Installation Cable	
Cable Type 1 Jacket Color black Type of Cartificate cuRue Anount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, while Cable weigh 34,76 g/m Material jacket PVC Shore hardness jacket B45 5 Shore A Freedom from ingredents (jacket) lead-free, cadmum-free, CFC-free, silcone-free Outer diameter (sheath) 1.5 % Material jacket PVC Jonand wires 4 Outer diameter (sheath) 1.5 % Material wire insulation PVC Anount wires 4 Outer diameter insulation 1.28 mm Outer diameter insulation 1.5 % Material properties wire insulation 4 Outer diameter insulation 1.5 % Material properties wire insulation 4 Outer diameter insulation 4.5 Shore D Material properties wire insulation 4.5 Shore D Material properties wire insulation 4.5 Shore D	wire arrangement	brown, black, blue, white
Jacket Color black Type of Certificate cPURs Type of Certificate cPURs Type of Certificate cPURs Amount stranding 1 Stranding 4 wires twisted Stranding 4 wires twisted Stranding 4 wires twisted Wire arrangement brown. black, blue, white Cable weigh 34,76 g/m Material jacket PVC Strone hardness jacket 81 t Shore A Freedom from ingredients (jacket) 48 t 15 Shore A Freedom from ingredients (jacket) 48 mm Tolerande outer diameter (jacket) 55 % Cuter diameter insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 0 for C Amount strands (wire) 14 Diameters wire insulation good machinability Ingredient freenees wire insulation 16 dea free, cadmium free. CPC-free, silicone free Amount strands (wire) 14 Diameter of single wires 0,15 mm Outer diameter creasedien (wire) 0.25 mm² Material conductor wires Stranded copper wire, bare Conductor oressection (wire) 0.25 mm² Material conductor wire Stranded case 5 Norm Amount strands (wire) Stranded case 5 Norme Conductor reseasedien (wire) 24 V@ 60 s Head-tree, advised 64 Cuter diameter (jacket) 24 V@ 60 s Min. operating temperature (mod) 24 V@ 60 s Min. operating temperature (mod) 24 V@ 60 s Min. operating temperature (mod) 80 °C Opera	Cable identification	611
Type of Certificate cLIRus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 34,76 g/m Material jacket PVC Strone hardness jackot 85 is 5 shore A Freedom from ingredients (jacket) lead-free, cambum-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) ± 5 % Material insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 45 ± 5 shore D Material properties wire insulation 162 free, cambum-free, CFC-free, silicone-free Amount strands (wire) 14 Dameter of single wires 0,15 mm Conductor rows expection (wire) 0.25 mm² Material properties wire insulation to 3N A Conductor row wire) Strand dass 5 Nominal voltage AC max. 300 V Current load capacity (standard) to NIV NE 0238-4 <td>Cable Type</td> <td>1</td>	Cable Type	1
Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 34,76 g/m Material jacket PVC Shore hardness jacket B5 ± 5 shore A Freedom from ingredients (jacket) lead free, cadmium free, CFC-free, silicone-free Outer-diameter (jacket) 4.8 mm Tolerance outer diameter (sheath) ± 5 %. Material wire insulation PVC Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 4.5 %. Breadmeter insulation 4.5 %. Shore hardness wire insulation 4.5 %. Duter diameter of leaves wire insulation 4.5 %. Diameter of singewires 0.15 mm Conductor crosssection (wire) 0.25 mm² Conductor wire Stradde copper wire, bare Conductor wire Stradde copper wire, bare Conductor wire Stradde copper wire, bare Conductor wire (wire) Stradde copper wire, bare Conductor wire (wire) Stradde copper wire, bare </td <td>Jacket Color</td> <td>black</td>	Jacket Color	black
Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 94.76 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) 4.8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Arount wires 4 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1.25 mm Outer diameter tolerance core insulation ± 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 Dameter of single wires 0.15 mm Canductor rowssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage (wire - wire) 2.10 WOE 028-4 Current load capacity min, wire 3.6 A	Type of Certificate	cURus
wire arrangement brown, black, blue, while Cable weight 34,76 g/m Material jacket PVC Shore hardness jacket B5 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (jacket) 4,8 mm Tolerance outer diameter (jacket) 4,8 mm Outer diameter (iacket) 4,5 % Material wire insulation PVC Amount wires 4 Outer diameter tolerance outer insulation 1,25 mm Outer diameter tolerance oore insulation 1,5 % Shore hardness wire insulation 4,5 % Shore D Material properties wire insulation geod machinability Ingredient freeness wire insulation geod 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 Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Stran	Amount stranding	1
Cable weigh 34,76 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) 4.8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter isulation PVC Amount wires 4 Outer diameter isulation 1.25 mm Outer diameter isulation 45 ± 5 Shore D Material is 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 rossection (wire) 0,25 mm² Material onductor wire Stranded copport wire, bare Current load 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	Stranding	4 wires twisted
Material jacket PVC Shore hardness jackat 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (gackat) 4.8 mm Toleance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter core insulation ± 5 % 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 Diametor of single wires 0.15 mm Conductor crossection (wire) 0.25 mm² Outer diameter (sheath) is 0 ND Carrent load 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 (standard)	wire arrangement	brown, black, blue, white
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4.8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 4 5 % Shore hardness wire insulation 4 5 % Shore hardness wire insulation 4 5 % Material properties wire insulation 4 5 % Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor rowseedion (wire) 0.25 mm ³ Material conductor wire Stranded coppor wire, bare Conductor type (wire) Strande coppor wire, bare Conductor type (wire) Stranded coppor wire, bare Compourt wire 3.6 A Electrical resistance line constant wire 79 Ωkm @ 20 °C	Cable weigth	34,76 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4.8 mm Tolerance outer diameter (sheath) ± 5 % Material Wire insulation PVC Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 5 % Material wire insulation 5 % Mount stands (wire) 14 Diameter tolerance core insulation 164 free, cadmium-free, CFC-free, silicone-free Amount stands (wire) 14 Diameter of single wires 0,15 mm Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire 300 V Current load capacity (standard) to DIN DE 0288-4 Current load capacity (wine) 2 kV @ 60 s Power frequency withstand voltage (wire - jackt) 30 °C Power frequency withstand voltage (wire - jackt) 30 °C Operating temperature (fixed) 30 °C Operating temperature (fixed) 30 °C Operating temperature (fixed) 80 °C <td>Material jacket</td> <td>PVC</td>	Material jacket	PVC
Outer-diameter (jacket) 4.8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation god machinability Ingredient freeness wire insulation god machinability Ingredient freeness wire insulation lead-free, camium-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 trops (wire) 0.5 fram? Material coluctor wire Stranded copper wire, bare Conductor trops (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity min. wire 3.6 A Electrical resistance line constant wire 79 D/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 30°C Querati	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation god 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 cosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Strande copper wire, bare Conductor wire Strande copset wire, bare Conductor w	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation PVC Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation good machinability Ingredient treeness wire insulation good machinability Ingredient treeness 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 min. wire 3.6 A Electrical resistance line constant wire 79 Ωkm @ 20 °C AC withstand voltage (wire - 2 kV @ 60 s Power frequency withstand voltage (wire - 2 kV @ 60 s Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed)	Outer-diameter (jacket)	4,8 mm
Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material roperities 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 IN VDE 0298-4 Current load capacity win. wire 3,6 A Electrical resistance line constant wire 79 0/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) -30 °C Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) 5 °C Operating temperature min. (dynamic) 80 °C Operating temperature min. (dynamic) 6 °C	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 Thereess wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor rosssection (wire) 0.25 mm² Conductor vire Stranded copper wire, bare Conductor vipe (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to NIM @2 0 °C AC withstand voltage (wire - 2 kV @ 60 s Power frequency withstand voltage (wire - 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 5 °C Operating temperature max. (dynamic) 5 °C </td <td>Material wire insulation</td> <td>PVC</td>	Material wire insulation	PVC
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) Strande copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to PO °C AC withs	Amount wires	4
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 3,6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) -30 °C Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 50 °C UV resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Galine resistance Good, application-related testing	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) Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (winta wire) 3,6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -30 °C Operating temperature (static) -30 °C	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 (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - 'ackto') 2 kV @ 60 s Min. operating temperature (static) -30 °C	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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 20 °C AC withstand voltage (wire - irre) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) -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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN	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 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature max. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testing	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 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature min. (dynamic)-5 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 600332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 160811-404 Good, application-related testing	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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C 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 (static) -30 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1000 TZ chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Diameter of single wires	0,15 mm
Conductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (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 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 160411-404 Good, application-related testing	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (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 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 160811-404 Good, application-related testingOil resistanceDIN EN 160811-404 Good, application-related testing	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sNin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testing	Conductor type (wire)	Strand class 5
Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sPower frequency withstand voltage (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 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testing	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 79 Ω/km @ 20 °C 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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (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 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testing	Current load capacity min. wire	3,6 A
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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Electrical resistance line constant wire	79 Ω/km @ 20 °C
jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testing	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 80 °C UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Max. operating temperature (fixed)	80 °C
UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Operating temperature min. (dynamic)	-5 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Operating temperature max. (dynamic)	80 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 Good, application-related testing	chemical resistance	Good, application-related testing
	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Oil resistance	DIN EN 60811-404 Good, application-related testing
	Bending radius (fixed)	5 x Outer diameter

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Bending radius (dynamic)

10 x Outer diameter

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