

M8 female 90° A-cod. with cable

PUR 3x0.25 ye UL/CSA+robot+drag ch. 1.5m

Female 90°

Zinc die casting, save-cover coated

M8, 3-pole

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

with cable sleeves

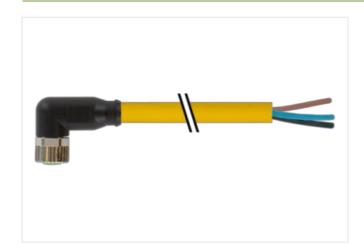
Plastic housings with good resistance against chemicals and oils.

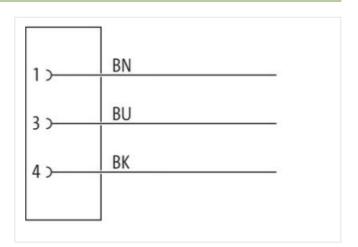
The resistance to aggressive media should be individually tested for your application. Further details on request.

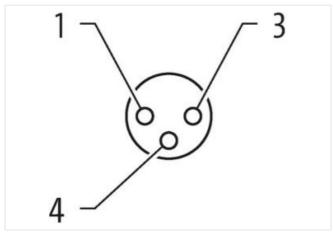
Further cable lengths on request.

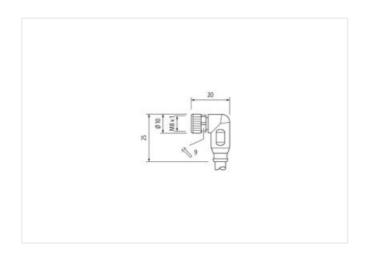
Link to Product

Illustration









Product may differ from Image











Cable length

1,5 m

Side 1



Tightening torque 0,4 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal Ø) 6,5 mm Cable outlet angled Coding Α Material contact Copper alloy Material **PUR** No. of poles 3 Width across flats SW9 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Stripping length (jacket) gold plated Coating contact Family construction form free cable end Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 FCLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879228930 Packaging unit 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) Mechanical data | Material data Coating locking safe-cover coated Coating of fitting nickel plated Material gasket FKM Zinc die-casting

Locking material

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-17



stay connected

Mounting method inserted, sorewel. Shaking protection Environmental characteristics Climate: Operating temperature min. 925 °C depending on cable quality Important installation notes Note on strain relief Operating radius Attention: Observe the pormissible breakures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the pormissible breakures from mechanical loads, e.g. by the usage of cable ties. Octoriormity Product standard OR IN R N 81075 2-104 (M8) Installation Cable Cable identification Cable identification Cable in yep 5 Subsect Color yellow 10 Pus Stranding 3 Were Invalid 10 Pus Stranding 40 Ag pin Material picket Pus Material picket Pus Stranding 40 Ag pin Material picket Pus Material picket Pus Stranding 40 Ag pin Material picket Pus Stranding 50 Ag pin Material picket Pus Toler claimer (abaeth) 50 Ag 5 Nore Derect claimer (abaeth) 50 Ag 5 Nore Derect claimer (abaeth) 50 Ag 5 Nore Derect claimer (abaeth) 50 Ag 5 Nore Toler claimer (abaeth) 50 Ag 5 Nore Derect claimer (abaeth) 50 Ag 5 Nore Derect claimer (abaeth) 50 Ag 5 Nore Derect claimer (abaeth) 50 Ag 6 Nore Toler claimer (abaeth) 50 Ag 5 Nore Derect claime	Material screw connection	Zinc die-casting
Mounting method Inserted, Screwed, Shaking protection	Mechanical data Mounting data	
Environmental characteristics Climatic Operating temperature min25 °C Operating temperature min25 °C Operating temperature min25 °C Operating temperature max85 °C Additional condition temperature range depending on cable quality Important installation notes Note on sharin field Protect the connectors by suitable measures from mechanical loads, o.g. by the usage of cable ties. Note on bunding radius Attention: Observe the permissible bending radis when laying cables, as the IP protection class can be enchangered by excessive bending radis when laying cables, as the IP protection class can be enchangered by excessive bending radis when laying cables, as the IP protection class can be enchangered by excessive bending radis when laying cables, as the IP protection class can be enchangered by excessive bending radis when laying cables, as the IP protection class can be enchangered by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables, as the IP protection class can be enchanged by excessive bending radis when laying cables is as the IP protection class can be excessed as the IP protection class can be excessed as t	•	inserted screwed Shaking protection
Operating temperature min. -25 °C Operating temperature man. 85 °C Addisonal condition temperature range depending on cable quality Important Installation notes Protect the connectors by valiable measures from mechanical loads, e.g. by the usage of cable dies. Note on banding radius Attention: Observe the permissible bending radii when laying cables, as the IP protection dass can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-104 (M8) Installation [Cable Cable identification 650 Cable identification 050 Cable identification (Pable Cable Coord Pable (M8) Cable identification (Pable Cable Coord Pable (M8) 5 3,0000 (Coord Pable (M8) Type of Certificate (Coord Pable (M8) 050 4,0000 (Coord Pable (M8) Amount stranding (M8) 1 1 Stranding (M8) 2,4 g/m 4,0000 (M8) Meterial jacket (M8) 9,8 3 Shore D 1 Processor (more ingrediate) (gasket) (M8) 1,25 mm 1,25 mm College diameter (jacket) (M8) 2,3 mm 1,25 mm College diameter (jacket) (M8) 3,3 mm 1,25 mm		morted, onomed, channy protoction
Operating temperature maye 65 °C Additional condition temperature range important installation notes Adeletional condition temperature range depending on cable quality Interportant installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on barian relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on barian relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Product standard DIN EN 61076 2.104 (M8) Installation (Cable Conformation Cable installation (Cable DIN EN 61076 2.104 (M8) Cable (Cotor yellow Type of Certificate culture Amount atracting 1 Stranding 3 wise sheated wise arrangement brown, black, blue Cable weigh 28.4 gm Material packet PUR Shorn hardness jacketi 59.3 3 Shore D Freedom from ingredients (jacket) 59.4 3 Shore D Cable diameter (jacket) 4,3 mm Tolkrandout atraction in ingredients (jacket) 1.5 % Muterial wic	· ·	
Additional condition temperature range depending on cable quelity		
Important installation notes Protect the connectors by, suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on bendring radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-104 (M8) Installation Cable Cable identification 050 Cable identification 050 Cable identification Cable Installation Cable Cable identification 050 Cable identification 0 50 Cable identification 0.00 Cable identification 0 50 Cable identification 0.00 Spanding Cable C		
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contently Product standard Din Ken 61076-2-104 (MB) Installation (Cable Cable identification OS9 Cable in yes Saled identification Uplow Type of Certificate Uplow Type of Certifi	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ordrangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-104 (M8) Institution Cable Cable (dentification	Important installation notes	
Conformity Endangered by excessive bending forces. Product standard DIN EN 61076-2-104 (M8) Installation Cable Cable (dentification) Cable (dentification) 050 Cable (or per licitate) URsus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 26.4 gm Material jocket PUR Shore hardness jacket PUR Shore hardness jacket 88.2 3 Shore D Freedom from ingredients (jacket) 4.3 mm Tolerance outer diameter (jacket) 4.3 mm Tolerance outer diameter (sheath) 2.5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DIN EN 61076-2-104 (M8) Installation (able Cable identification 050 Cable Type 5 Jacket Color yellow Type of Certificate CURsus Amount stranding 1 Stranding 3 wires twisted wire arrangement bown, black, blue Cable weight 26.4 g/m Material jacket PUR Shore hardness sicket 58.4 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter fraskation PP Amount wires 3 Cuter diameter insulation 1,25 mm Cuter diameter insulation 1,25 mm Cuter diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Unter diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Impredi	Note on bending radius	
Installation Cable	Conformity	
Cable Identification 050 Cable Type 5 Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 26,4 g/m Material Jacket PUR Shore hardness Jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter Insulation 1,28 mm	Product standard	DIN EN 61076-2-104 (M8)
Cable Identification 050 Cable Type 5 Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 26,4 g/m Material Jacket PUR Shore hardness Jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter Insulation 1,28 mm	Installation Cable	
Cable Type 5 Jacket Color yellow Type of Cortificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 28,4 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 7 = 3 Shore D Ingredient freeness wire insulation 7 = 5 Shore D Onductor crossection	·	050
Jacket Color Yellow		
Type of Certificate	**	
Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 26,4 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter insulation 1,25 mm Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1 kad - free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare		,
Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 26,4 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 7 ± 3 Shore D Ingredient freeness wire insulation 7 ± 3 Shore D Ingredient freeness wire insulation 18 d-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount stands (wire) 32 Diameter of single wires 0,1 mm Conductor yes wires 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-rack) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V	**	
wire arrangement brown, black, blue Cable weigth 26.4 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter rolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1 ± 5 % Material conductor vire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded capper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 * C horizontal Nominal voltage AC max. </td <td></td> <td></td>		
Cable weight 26,4 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter loberance core insulation 1,25 mm Outer diameter tolerance core insulation 2 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 8 2 mm Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage (x C max.) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current loa		brown, black, blue
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (min. wire) 4,5 A Electrical resistance line constant wire 79 Okm @ 20 °C	<u> </u>	26,4 g/m
Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1 ± 5 % Shore hardness wire insulation 1 ± 2 Shore D Ingredient freeness wire insulation 1 ± 2 Shore D Ingredient freeness wire insulation 1 ± 2 Shore D Ingredient freeness wire insulation 1 ± 2 Shore D Ingredient freeness wire insulation 1 ± 2 Shore D Ingredient freeness wire insulation 2 ± 2 Shore D Ingredient freeness wire insulation 2 ± 2 Shore D Ingredient freeness wire insulation 2 ± 2 Shore D Ingredient freeness wire insulation 2 ± 2 Shore D Ingredient freeness wire insulation 2 ± 2 Shore D Ingredient freeness	<u> </u>	-
Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 18ad-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - static) 2,5 kV @ 60 s	·	58 ± 3 Shore D
Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 18ad-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - static) 2,5 kV @ 60 s	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter tolerance core insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 4.0 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1190 UL 1581 § 1110 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing		4,3 mm
Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - aiacket) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) </td <td>Tolerance outer diameter (sheath)</td> <td>±5%</td>	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing	Material wire insulation	PP
Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing	Amount wires	3
Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - acket in acket) 40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing	Outer diameter tolerance core insulation	±5%
Amount strands (wire) Diameter of single wires O,1 mm Conductor crosssection (wire) O,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) S m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - iacket) Min. operating temperature (static) AB °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) AB °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing	Shore hardness wire insulation	74 ± 3 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) As operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Coperating temperature max. (dynamic) Plame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing	Amount strands (wire)	32
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing	Conductor crosssection (wire)	0,25 mm ²
Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max. 300 V 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 AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing	Conductor type (wire)	strand class 6
Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 \(\Omega / \text{km} \emptysete 20 \cdot \text{C} AC withstand voltage (wire - wire) 2,5 kV \(\omega 60 \text{ s} \) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) 40 \(\cdot \text{C} \) Max. operating temperature (fixed) 80 \(\cdot \text{C} / 90 \cdot \text{C} \text{ d} 10000 \text{ h Operation} Operating temperature min. (dynamic) -25 \(\cdot \text{C} \) Operating temperature max. (dynamic) 80 \(\cdot \text{C} / 90 \cdot \text{C} \text{ d} 10000 \text{ h Operation} Flame resistance UL 1581 \(\xi \) 1090 UL 1581 \(\xi \) 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing		5 m @ 25 °C horizontal
Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) -40 °C Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing		
Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing	<u> </u>	
AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) According temperature (fixed) Operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing	<u> </u>	
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing		
Jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Bo °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing	<u> </u>	2,5 KV @ 6U S
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing	jacket)	
Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing		
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing		
Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing		
chemical resistance Good, application-related testing		
7.11		
Lagenine registance (ADDI application-related tection		
Guadonino registrando Guodi, application registra	Gasoline resistance	Good, application-related testing



Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cvcles/min