

M8 male 0° / M8 female 90° A-cod. LED

PUR 3x0.25 gy UL/CSA+drag ch. 0.3m

Male straight – female 90°
M8 – M8, 3-pole
2× LED (PNP), (NPN) on request

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

Further cable lengths on request.

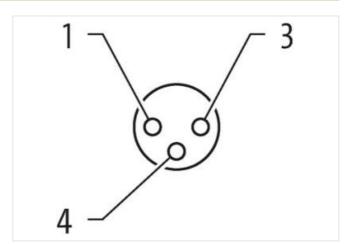
Plastic housings with good resistance against chemicals and oils.

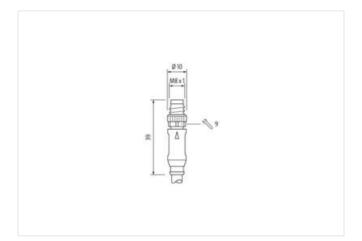
The resistance to aggressive media should be individually tested for your application. Further details on request.

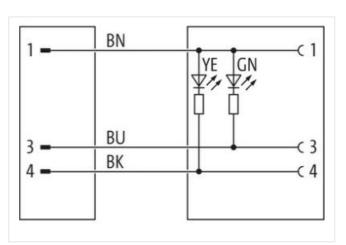
Link to Product

Illustration



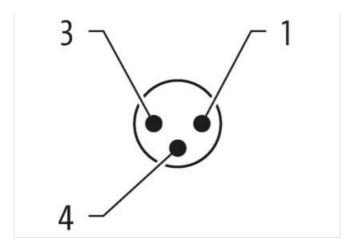








stay connected





Product may differ from Image











Cable length	0,3 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
Thread	M8 x 1
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879127578
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, yellow
Device protection Electrical	

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: 2024-06-25



stay connected

Fedition Degree 3 1-Rated surps voltage 0.8 kV Material group (EC 00004 1) 1 Machanical data Material data Coating booking Nickeland Material focusing PUR Machanical data Material data Coating booking PUR Machanical data Mounting data Material condition temperature range machanical condition temperature range machanical condition temperature range machanical condition temperature range Material range Mounting data Material range Mounting data Material range Mounting data Material range Mounting data Material rangement Driver, black, blue Mounting forces. Machanical rangement Driver, black, blue Mounting data Galabe destination 230 Mounting data Material galabel Mounting data Mount	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Raided surgoy rollage Machanical data Material group (IEC 60664-1) 1 Michanical data Material discussion Neskelod Neskelo	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1) Mechanical data Material data Coctaning locking Method housing PUR Locking material Zinc di-casting Mechanical data Mounting data Wechanical data Mounting data Wechanical data Mounting data Mechanical data Mounting data Mechanical data Mounting data Environmental characteristics Climatic Environmental characteristics Climatic Poperating temperature min. -25 °C Operating temperature may. -26 °C -27 °C -2	Pollution Degree	3
Mochanical data Material data Mounting data Mount	Rated surge voltage	0,8 kV
Couting looking Niederia Nouting PUR Locking material Zon dis-casting Mechanical data Mounting data Mounting method Inserted, Screwed, Shaking protection Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on bending radius Astending: Cleare benefing forces. Conformity Product standard DIN En 61076 2-114 (M8) Installation Cable wire arrangement berow, benefing forces. Cable identification 230 Cable (Type 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Material group (IEC 60664-1)	I
Meterial housing protection andersial Muniting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climate Coperating temperature min. 25°°°C Operating temperature max. 85°°C Additional condition temperature may. 45°°C Additional condition temperature may. 45°°C More installation notes Note on strain relef Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Nate on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, e.g. by the usage of cable ties. The excessive insulation protection contains with the protection class can be endang	Mechanical data Material data	
Meterial housing protection andersial Muniting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climate Coperating temperature min. 25°°°C Operating temperature max. 85°°C Additional condition temperature may. 45°°C Additional condition temperature may. 45°°C More installation notes Note on strain relef Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Nate on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, e.g. by the usage of cable ties. The excessive insulation protection contains with the protection class can be endang	Coating locking	Nickeled
Locking material Mounting data Mounting method inserted, screwed. Shaking protection Environmental characteristics Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relied Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on bending radius Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on bending radius Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on bending radius Protection Class can be endangered by excessive bending forces. Contentity Product standard DIN EN 61076-2-114 (M8) Installation Cable were arrangement brown. black, blue Cable identification 230 Cable (Type) 3 3 3 decket Color gray Type of Conflictot CURus Amount stranding 1 Stranding 3 wives livested wire arrangement brown, black, blue Cable weight 25,4 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Amount stranding 10 Cable rung gradents (jacket) 1,4 mm Tolerance outer diameter (jacket) 4,1 mm Tolerance outer diameter (jacket) 4,1 mm Tolerance outer diameter (jacket) 2,5 % Shore hardness in Gradents (jacket) 5,5 % Shore hardness in Jacket (jacket) 2,25 mm² Material wire invaliation PP Amount wires 3 Duter diameter follerance ore insulation 5,5 % Shore hardness wire insulation 7,0 ± 5 % Shore D Impedent freeness wire insulation 1,25 mm Duter diameter follerance ore insulation 2,25 mm² Material view in view in insulation 1,25 mm Duter diameter of view or insulation 1,25 mm Duter diameter follerance ore insulation 2,25 mm² Material view insulation 1,25 mm Duter diameter follerance ore insulation 2,25 mm² Material view insulation 1,25 mm Duter diameter follerance ore insulation 2,25 mm² Material view insulation 1,25 mm Duter diameter follerance ore insulation 2,25 mm² Material view insu		
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min.		
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. 85 °C Additional condition temperature may depending on cable quality Important Installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN En 61076-2-114 (M8) Installation Cable Were arrangement brown, black, blue Cable identification 230 Gable Type 3 Sacket Color gray Type of Certificate CUPsus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigh 26 4g /m Material jacket PUB Shore hardness jacket PUB Shore hardness jacket PUB Amount of the simple of the s		,
Environmental characteristics Climatic Operating temperature min. 25 °C Additional condition temperature mays depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-114 (M8) Installation Cable Wire arrangement brown, black, blue Cable identification 230 Cable Type 3 3 Jacket Color gray Type of Certificate Cliffus Amount stranding 1 Stranding 3 wires twisted Wire arrangement brown, black, blue Cable weigh 28,4 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 1,15 mm Outer diameter insulation PP Amount wires 3 3 Current load capacity (standation 1,25 mm Material production size wire insulation 1,25 mm Distrandes wire insulation 1,25 mm Material production size wire insulation 1,25 mm Material production size wire insulation 1,25 mm Material conductor repass wire insulation 1,25 mm Material conductor wire Shore D Material conductor wire Strand class 6 Normania votages wire insulation 1,25 mm Material conductor wire Strand class 6 Normania votage AC max. 300 V Current load capacity (standard) 1,0 DIN VIDE 028-4 Electrical resistance line constant wire 1,9 DAYm @ 0°C		inserted screwed Shaking protection
Operating temperature min. 95 °C Operating temperature max. 85 °C Additional condition temperature range despending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product slandard DIN EN 61076-2-114 (MB) Installation Cable Installation Cable		
Operating temperature max. 85 °C depending on cable quality depending on cable quality mportant installation notes of the protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-114 (M8) Installation Cable		
Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Din En 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable identification 230 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigh 26.4 g/m Material jacket PUR Shore hardness jacket PUR Amount firm ingredients (jacket) 4,1 mm Tolerance outer diameter (facket) 4,1 mm Tolerance outer diameter (facket) 4,1 mm Tolerance outer diameter (facket) 7P. Amount wire insulation PP Amount wire insulation 1,25 mm Outer diameter (berance core insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter freenses wire insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter freenses wire insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter (specificate) 4,1 mm Conductor type (byre) 5,1 mm Attantion conductor wire 5,1 mm Attantion cond		
Important installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-114 (M8) Installation Cable Installation Cable write arrangement brown, black, blue Cable identification 230 Cable 1ype 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Cable weigth 26,4 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) load-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter folerance core insulation 1,25 mm Ingredient freeness wire insulation	· · · ·	
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-114 (M8) Installation Cable wire arrangement December 1	Additional condition temperature range	depending on cable quality
Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-114 (MB) Installation Cable University of the protection of the prot	Important installation notes	
endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-114 (M8) Installation Cable Wire arrangement brown, black, blue Cable identification 230 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 1 Stranding 3 wires twisted Wire arrangement brown, black, blue Cable weigh 26,4 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 20 ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter tolerance core insulation 1 add-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount stranding 1 1,25 mm Outer diameter tolerance core insulation 1 add-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 3 Diameter of single wires 0,1 mm Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Courrent load capacity (standard) to DIN VDE 0298-4 Electrical resistance line constant wire 79 Ω/km @ 20 °C Electrical resistance line constant wire 79 Ω/km @ 20 °C	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 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable (dentification) 230 Cable Type 3 Jacket Color gray 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 PUR Shore hardness jacket 9U ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.1 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 tolerance swire insulation 1,25 mm Outer diameter tolerance swire insulation 1,25 mm Ingredient freeness wire insulation	Note on bending radius	
Installation Cable wire arrangement brown, black, blue Cable (dentification) 230 Cable Type 3 Jacket Color gray 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 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (shealth) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter lolerance core insulation ±.25 mm Outer diameter lolerance core insulation ±.5 % Shore hardness wire insulation 1.25 mm Outer diameter lolerance sovie insulation 1.25 mm Outer diameter of single wire 3 Diameter of core insulation 1.25 mm Armount strands (wire) 32 <td>Conformity</td> <td></td>	Conformity	
wire arrangement brown, black, blue Cable identification 230 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 264 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount stress 3 Outer diameter insulation PP Amount strends swire insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 82 Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire,	Product standard	DIN EN 61076-2-114 (M8)
wire arrangement brown, black, blue Cable identification 230 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 264 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount stress 3 Outer diameter insulation PP Amount strends swire insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 82 Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire,	Installation Cable	
Cable identification 230 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 26,4 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Ingredient freeness wire insulation 70 ± 5 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 Conduct		brown black blue
Cable Type 3 Jacket Color gray 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 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 19 ± 5 Shore D Ingredient freeness wire insulation 19 ± 5 Shore D Ingredient freeness wire insulation 19 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation		
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 26,4 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 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 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount swires 3 Outer diameter tolerance core insulation 2,25 mm Outer diameter insulation 1,25 mm Outer diameter swire insulation 10 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 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		
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 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 2 ± 5 % Shore hardness wire insulation 70 ± 5 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 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	• • • • • • • • • • • • • • • • • • • •	
Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 26,4 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter roberance core insulation 1,25 mm Outer diameter swire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 45 % 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 Nominal voltage AC max 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4		
Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 26,4 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1ead-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 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		
wire arrangement brown, black, blue Cable weigth 26,4 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 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 70 ± 5 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 Nominal voltage AC max. 300 V Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C		
Cable weight 26,4 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 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 70 ± 5 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Electrical resistance line constant wire 79 Ω/km @ 20 °C		
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 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 70 ± 5 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 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		
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 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 70 ± 5 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 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		-
Freedom from ingredients (jacket) Outer-diameter (jacket) 4,1 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 70 ± 5 Shore D Ingredient freeness wire insulation Ingredient freeness wire insulation 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) Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 79 Ω/km @ 20 °C	<u> </u>	
Outer-diameter (jacket) 4,1 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 70 ± 5 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Electrical resistance line constant wire 79 Ω/km @ 20 °C		
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 70 ± 5 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 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		
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 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 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		· · · · · · · · · · · · · · · · · · ·
Amount wires Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation Iead-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 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		
Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Amount wires	3
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 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 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	Outer diameter insulation	
Shore hardness wire insulation 70 ± 5 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 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		
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 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 \(\Omega \rangle \text{m} \ \end{alignment} \) 20 °C		
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 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 \(\Omega \rangle \text{m} \ \end{alignment} \) 20 °C	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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	Amount strands (wire)	32
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 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	Conductor crosssection (wire)	0,25 mm²
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C	Material conductor 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	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C	Nominal voltage AC max.	300 V
Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C	Current load capacity (standard)	to DIN VDE 0298-4
	Current load capacity min. wire	4,5 A
AC withstand voltage (wire - wire) 2,5 kV @ 60 s	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	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	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min