

M12 male 0° A-cod. with cable shielded

PUR 4x0.34 shielded bk UL/CSA+drag ch. 15m

Male straight M12, 4-pole A-coded shielded

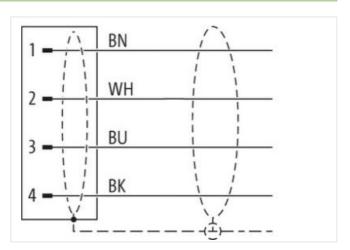
Plastic housings with good resistance against chemicals and oils.

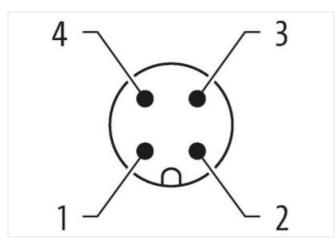
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

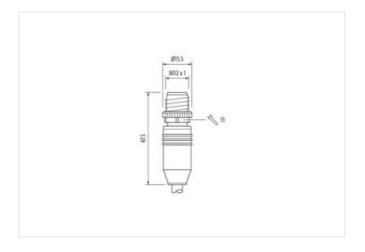
Link to Product

Illustration









Product may differ from Image













Cable length

15 m

Side 1

Tightening torque

0,6 Nm

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

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
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	4048879435222
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	
	6U V
	60 V 30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed)	
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max.	30 V 30 V
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics	30 V 30 V 4 A
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED	30 V 30 V
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection	30 V 30 V 4 A
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket)	30 V 30 V 4 A
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection	30 V 30 V 4 A
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket)	30 V 30 V 4 A no
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set	30 V 30 V 4 A no
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical	30 V 30 V 4 A no 20 mm M12 x 1 inserted, screwed 3
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage	30 V 30 V 4 A no 20 mm M12 x 1 inserted, screwed
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree	30 V 30 V 4 A no 20 mm M12 x 1 inserted, screwed 3
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage	30 V 4 A no 20 mm M12 x 1 inserted, screwed 3 1,5 kV
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)	30 V 4 A no 20 mm M12 x 1 inserted, screwed 3 1,5 kV
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data	30 V 4 A no 20 mm M12 x 1 inserted, screwed 3 1,5 kV
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material	30 V 4 A no 20 mm M12 x 1 inserted, screwed 3 1,5 kV I
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting	30 V 4 A no 20 mm M12 x 1 inserted, screwed 3 1,5 kV I
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material	30 V 30 V 4 A no 20 mm M12 x 1 inserted, screwed 3 1,5 kV I Nickeled nickel plated Zinc die-casting
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max. Diagnostics Status indication LED Installation Connection Stripping length (jacket) Mounting set Device protection Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data Material data Coating locking Coating of fitting Locking material Material screw connection	30 V 30 V 4 A no 20 mm M12 x 1 inserted, screwed 3 1,5 kV I Nickeled nickel plated Zinc die-casting



stay connected

Additional condition temperature range Contominy Product standard DIN EN 61076-2-101 (M12) Installation (Cable Cable desentification Gale (September 1) Gale (September 1) Gale (September 1) Jacket Coor Park Amount stranding 1 Stranding Awes twisted Cable shielding (prop) Cable shielding (prop) Cable shielding (prop) Cable shielding (prop) Gale shielding (prop) Gale shielding (soverage) Brud'sig Wrie arrangement No. of bornding cycles (C-track) No. of bornding cycles (C-track) No. of bornding cycles (C-track) Software Software Software Freedom from ingredients (gacket) Cable-shielding (gacket) No. of bornding cycles (C-track) No. of bornding cycles (C-track) No. of bornding cycles (C-track) Software Software Software Freedom from ingredients (gacket) Cable-shielding (gacket) PUR Shore hardness gacket 90 ± 5 Sorve A Freedom from ingredients (gacket) Cable-diameter (gacket) Cable-manuface 4 Software (gacket) Cable-manuface PP Amount wise insulation PP Amount wise insulation PP Amount wise insulation PP Amount wise insulation 1 £ 5 % Shore hardness wire insulation 2 £ 5 % Shore hardness wire insulation 1 £ 5 % Shore hardness wire insulation 2 £ 5 % Shore hardness wire insulation 2 £ 5 % Shore hardness wire insulation 2 £ 5 % Shore hardness wire insulation 3 £ 5 % Shore hardness wire insulation 4 £ 5 % Shore hardness wire insulation 2 £ 5 % Shore hardness wire insulation 3 £ 5 % Shore hardness wire insulation 4 £ 5 % Shore hardness wire insulation 5 £ 5 % Shore hardness wire insulation 5 £ 5 % Shore hardness wire insulation 5 £ 5 % Shore har	Operating temperature min.	-25 °C
Control standard DIN EN 61076-2-101 (M12) Product standard DIN EN 61076-2-101 (M12) Installation (Cable Cable identification 641 Cable identification 641 Cable identification Cable identification Cable identification Type of Certificate CUBUS Annount standing 1 Cable identification Streading 4 wires twisted Cable indexing (yee) copper brail. timed Cable indexing (yee) copper brail. timed Cable indexing (yee) poper brail. timed No. of bending yees (C-track) 50.8 g/m No. of bending yees (C-track) 50.8 g/m No. of bending yees (C-track) 50.8 g/m Malerial indexide PUP Treated not in registral (sigket) 53. mm Total care (sigket) 53. mm Total care (sigket) 53. mm Total care (sigket) 55. mm	Operating temperature max.	85 °C
Installation Cable	Additional condition temperature range	depending on cable quality
Cable infectation Cable Cable infectation Cable infectation Cable in Capter Salacity	Conformity	
Cable infectation Cable Cable infectation Cable infectation Cable in Capter Salacity	Product standard	DIN EN 61076-2-101 (M12)
Cabbis Identification 641 Gabbis Type 3 Jackel Color black Type of Certificate cURUs Amount stranding 1 Skending 4 wires twisted Cabbe shelding (type) copper braid, finned Cabbe shelding (verwage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mc, @ 25 °C Cabbe weight 50.6 g/m Material jacket PLR Shore value (laws) 15 Mc Shore A Freedom from ingredients (gacket) Outer-diameter (lawket) 15 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,5 mm Outer diameter insulation 1,0 mm		
Cable Type 3 Jacker Color black Jacker Color black Type of Conflicate ∪URus Amount stranding 1 Standing 4 wires twisted Cable shielding (coverage) 80 % Banding Fleece, Foll wire arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mic. @ 25 °C Gabbe weight 50 6 g/m Malaterial jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.3 mm Torierance outer diameter (sheath) ± 5 % Material were insulation PP Amount wires 4 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter (sheath) ± 5 % Duameter of single wire 4 Outer diameter (sheath) ± 5 % Duameter of single wire 1,0 mm Conduct	·	•
Jacket Color Diack Diack Type of Certificate		
Type of Certificate cUFus Amount risranding 1 Amount risranding 4 wires wisted Cabbe shielding (type) coppor braid, tinned Cabbe shielding (coverage) 80 % Banding Fleen, Foil Wire arrangement brown, black, blue, white No. of bending cycles (C-track) 5 flive, 62 th C Cabbe weight 50,6 g/m Material packet PUR Shore hardness placket PUR Shore hardness jacket 90 5 5 Shore A Freedom from ingredients (gacket) 15 slive, 62 th C Carbine weight 50,5 g/m Material packet PUR Shore hardness placket 90 5 5 Shore A Freedom from ingredients (gacket) 15 slive and shore a free shore hardness with risrustation PP Amount wire insulation PP Amount wire insulation PP Amount wires 4 Cuter diameter (sheath) 1,25 mm Outler diameter (sheath) 2.5 % Shore hardness wire insulation 1,25 mm Outler diameter insulation 1,25 mm Outler diamet		
Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foll wire arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 50,6 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Material jacket 90 ± 5 Shore A Shore landing ender (jacket) 5,3 mm Tolerance outer diameter (jeaket) 5,3 mm Autorial wire insulation 1 ± 5 % Material wire outer diameter (jeaket) 5,3 mm Tolerance outer diameter (jeaket) 5,3 mm Tolerance outer diameter tolerance core insulation PP Annount wires 4 Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient renease wire insulation 1 jead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter of single wires 0,1 mm Onductor consection (wire) 0,34 mm² Material conductor wire Siranded copper wire, bare Conductor type (wire) strand class 6 Conductor type (wire) strand class 6 Current load capacity (standard) 10 Ib IN VDE Ca98+4 Current load capacity (standard) 10 Ib IN VDE Ca98+4 Current load capacity (standard) 2 kW @ 60 s Max. operating temperature (ixed) 40 °C of Wire (ixed) 41 °C of Wire (ixed) 42 °C of Wire (ixed) 43 °C of Wire (ixed) 44 °C of Wire (ixed) 44 °C of Wire (ixed) 45 °C of		
Stranding		
Cable shielding (roverage) 80 % Cable shielding (coverage) 80 % Bandring Fleece, Foil wire arrangment brown, black, blue, white No. of bending cycles (C-track) 5 Min. @ 25 °C Cable weight 50.6 g/m Material jacket PUR Shore hardress jacket 90 ± S Shore A Freadom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 5.3 mm Toflerance outer diameter (sheath) 5.3 mm Toflerance outer diameter (sheath) 2.5 % Material wire insulation PP Amount wires 4 Cuter diameter insulation 1,25 mm Outer diameter insulation 70 ± S Shore D Ingredient freeness wire insulation 70 ± S Shore D Ingredient freeness wire insulation 70 ± S Shore D Ingredient freeness wire insulation 70 ± S Shore D Ingredient freeness wire insulation 70 ± S Shore D Ingredient freeness wire insulation 70 ± S Shore D Ingredient freeness wire insulation 70 ± S Shore D		
Cable shiekling (coverage) 80 % Banding Fleece, Foil wie arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 50.6 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 180 mm Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (seketh) ± 5 % Material wire insulation PP Annount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Impredient freeses wire insulation		
Banding Fleece, Foil wire arrangement brown, Iblack, blue, white No. of bending cycles (C-track) 5 Mio, @ 25 ° C Cable weighh 50.6 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.3 mm Toflerance unter diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter toflerance core insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 42 Anount strants (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,3 mm² Material conductor wire Stranded copper wire, bare Connection (wire) 5 m @ 25 °C (I horizontal Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (standard) 10 DIN VDE 0298-4		
wire arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mio. @ 25° C Cable weight 50.6 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket [sacket] 51.5 hore A Freedom from ingredients (jacket) 53.3 mm Tolerance outer diameter (jacket) 54.5 mm Tolerance outer diameter (jacket) 55.5 mm Tolerance outer diameter insulation PP Amount wires 4 Tolerance ore insulation PP Tolerance over insulation 1.25 mm Tolerance over		
No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 50.6 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) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter (insulation insulation) 1,24 mm Mala Marchal (insulation insulation) 1,25 mm </td <td></td> <td>, -</td>		, -
Cable weigth 50.6 g/m Material jacket PUR Material jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Under diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor rorssection (wire) 0,34 mm² Material conductor vire Stranded copper wire, bare Conductor type (wire) stranded capper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity rim, wire 4,8 A Electrical resistance line constant wire 5,70 km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power	· ·	
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) 5,3 mm Tolerance outer diameter (sheath) ± 5 %. Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter rolerance core insulation 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Ingredient freeness wire insulation 42 Diameter of single wires 0,1 mm Conductor of single wires 0,1 mm Onductor of single wires 0,1 mm Material conductor wire Stranded copper wire, bare Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity firm, wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield)		
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter Insulation 1,25 mm Outer diameter 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) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to Nick (application) k A Electrical resistance line constant wire 57 Okm @ 20 °C Nominal voltage power (wire - sh		
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation bad-free, cadmium-free, CFC-free, halogen-free, silicone-free Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-rack) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ωkm @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withistand voltage power (wire - wire) 2 kV @ 60 s		<u> </u>
Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter loterance 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) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C		
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 19 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) \$ 1 m² 25 °C horizontal Current load capacity (standard) to DIN VDE 298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 O/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (iffeed) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 489		
Material wire insulation PP Amount wires 4 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) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 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 (standard) to DIN VDE 0298-4 Current load capacity (wire value) 2,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield) 2,4 V @ 60 s Power frequency withstand voltage power (wire - shi		· · · · · · · · · · · · · · · · · · ·
Amount wires 4 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) 42 Diameter of single wires 0,1 mm Conductor vire Stranded copper wire, bare Conductor vire (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Current load capacity (wire - wire) 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Wire - jackel) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 80 °		
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) 42 Diameter of single wires 0,1 mm Conductor rosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s 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 Op		
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) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C		
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) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 324 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 \(\text{Dr.Mm} \text{@ 20 °C} \) Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 0 perating temperature (min. (dynamic) 2 c5 °C Operating temperature max. (dynamic) 40 °C (@ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing OII resistance Good, application-related testing OII resistance DIN EN 60811-404 Good, application-related testing OII resistance DIN EN 60811-404 Good, application-related testing OII resistance DIN EN 60811-404 Good, application-related testing		· · ·
Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires O,1 mm Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 6 Traversing distance (C-track) S m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Clicetrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 2 br S C © Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Outer diameter tolerance core insulation	
Amount strands (wire) Amount strands (wire) Diameter of single wires O,1 mm Conductor crosssection (wire) O,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) AC withstand voltage power (wire - shield) AC withstand voltage power (wire - wire) AC withstand voltage power (Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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) 80 °C / 90 °C @ 10000 h Operation UV 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	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s 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) -25 °C Operating temperature max. (dynamic) -25 °C UV 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	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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 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	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s 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 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	Conductor crosssection (wire)	0,34 mm²
Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 \(\Omega / \text{km} \) @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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 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	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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 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	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 \(\textit{ D/km} \) \(\textit{ Q 20 °C} \) Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV \(\textit{ 60 s} \) Power frequency withstand voltage power (wire - wire) 2 kV \(\textit{ 60 s} \) AC withstand voltage power (wire - wire) 2 kV \(\textit{ 60 s} \) Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C \(\textit{ 0 10000 h Operation} \) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C \(\textit{ 0 10000 h Operation} \) UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 \(\textit{ 1 190 UL 1581 \(\textit{ 1 100 FT2} \) chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing	Traversing distance (C-track)	5 m @ 25 °C horizontal
Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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 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	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max. AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) Operating temperature (fixed) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 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 Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance related testing	Current load capacity min. wire	4,8 A
AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) AC withstand voltage power (wire - shield) AC woll and withstand voltage power (wire shield) AC woll and w	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) 2 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 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	Nominal voltage power AC max.	300 V
(wire - jacket) AC withstand voltage power (wire - wire) AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) 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	AC withstand voltage power (wire - shield)	2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) B0 °C / 90 °C @ 10000 h Operation 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	Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 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 Oil resistance DIN EN 60811-404 Good, application-related testing	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 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	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 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 / 90 °C @ 10000 h Operation
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)	-25 °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)	<u> </u>
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	UV resistance	
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Flame resistance	
Oil resistance DIN EN 60811-404 Good, application-related testing	chemical resistance	······································
Bending radius (fixed) 5 x Outer diameter	Oil resistance	
	Bending radius (fixed)	5 x Outer diameter



Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m