

M12 male recept. A-cod. shielded rear mount

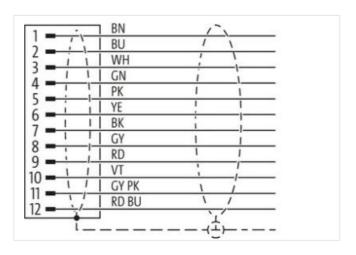
PUR 12x0.14 shielded bk UL/CSA+drag ch. 0,3m

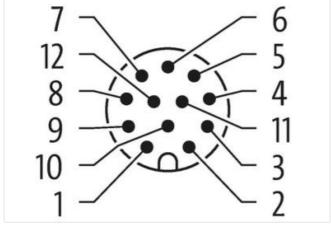
Flange male M12, 12-pole shielded Front mounting

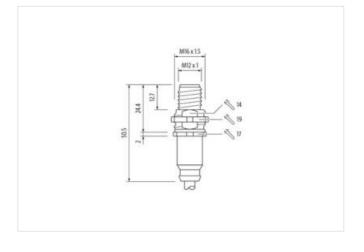
Link to Product

Illustration













Cable length	0,3 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12

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: 2024-05-09



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Thread	M12 x 1
Coding	A
Material	Brass
No. of poles	12
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879608237
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	1,5 A
Installation Connection	
Mounting set	M16 x 1.5
Width across flats	SW19
Device protection Electrical	
Protection NEMA	3, 4, 6P
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating housing	nickel plated
Coating of fitting	nickel plated
Material screw connection	Brass
Mechanical data Mounting data	
Mounting method	inserted, screwed
	·
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 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.
Approvals	
UL 50E	yes
Installation Cable	·
	700
Cable identification	706
Cable Type	3



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Type of Certificate CPRs Amount stranding 1 Stranding 3 wires twisted Anount stranding (type 2) 1 Stranding (type 2) 9 were around Stranding combination twisted Cable shielding (type) copper braid, timed Cable shielding (type) copper braid,	Jacket Color	black
Stranding (type 2) 1 silentification (type 2) 1 stranding (type 2) 2 silentification (type 2) 3 wives around Stranding combination twisted Cable shielding (type) Cable shielding (type) Cable shielding (coverage) 80 % Banding Fleece, Foll wire arrangement gray-pink, volde, red-blue, brown, red, gray, black, yellow, pink, green, while, blue Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 67.1 g/m Material jacket PUR Shore hardmess jacket 90 ± 5 Shore A Freedom from ingredients (jacket) Indexnoe outer diameter (facket) 6,5 mm Tolerance outer diameter (facket) 6,5 mm Tolerance outer diameter (facket) 5 m @ 25 °C horizontal Cuter diameter insulation PP Amount wires 12 Cuter diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation Ingredient freeness wire insulation Ingredient freeness wire insulation Ingredient freeness wire insulation Amount strands (wire) Ingredient freeness wire insulation Ingredient freeness wire insulati	Type of Certificate	cURus
Amount stranding (type 2) 9 wires around Stranding combination twisted Cabbe shielding (type) copper braid, inned Cabbe shielding (coverage) 80 % Banding Fleece, Foll wire arrangement gray prink, violet, red blue, brown, red, gray, black, yellow, pink, green, white, blue Traversing distance (C-track) 5 m @ 25 °C (Inorizontal Cabbe weigh 67.1 g/m Material jacket PUR Shore hardness picket 90 t.5 Shore A Shore hardness picket 190 t.5 Shore A Cuter-diameter (packet) 6.5 mm Tolerance outer diameter (packet) 12.5 % Material weier insulation PP Amount wires 12 Cuter diameter insulation 1 mm Outer diameter insulation 1 mm Outer diameter insulation 1 mm Outer diameter insulation 1 tmm Outer diameter insulation 1 tmm Outer diameter insulation 1 tmm Outer diameter insulation 1 thm Outer diameter 1 thm Outer d	Amount stranding	1
Stranding (type 2) 9 wires around Stranding combination twisted Cable shielding (type) copper braid, finned Cable shielding (type) B0 % Banding Fleece, Foll wire arrangement gray-pink, violut, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Traversing distance (C-track) 5 m @ 25 *C Invizontal Cable weigh 67,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacker) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacker) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation PP Amount wires 12 Outer diameter berance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingre	Stranding	3 wires twisted
Cable shielding (type) copper braid, finned Cable shielding (coverage) 80 % Banding Fleece, Foil Wire arrangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weigh 67,1 g/m Material jacket PUR Shore hardness jacket PUR Amount strang tipacket jacket ja	Amount stranding (type 2)	1
Cable shieldring (coverage)	Stranding (type 2)	9 wires around Stranding combination twisted
Bandling Fleece, Foll wire arrangement gray-pink, volet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weigth 67,1 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) 5,5 mm Tolerance outer diameter (sheath) 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter insulation 1 mm Outer diameter solvential on 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) 18 Diameter of single wires 0,14 mm Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Normanial voltage AC max, 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation UV resistance Good, application-related testing DIN EN 80811-404 Bending radius (dynamic) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter	Cable shielding (type)	copper braid, tinned
wire arrangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 67.1 g/m Material jacket PUR Shore hardness jacket 30 ± 5 Shore A Freedom from ingredients (jacket) 6,5 mm Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter insulation 2 % Shore hardness wire insulation 1 mm Outer diameter translation 1 mm Ingredient freeness wire insulation 1 mm Ingredient freeness wire insulation 1 mm Ingredient freeness wire insulation 1 mm Onductor type (wire) 18 Inameter of single wires 0,1 mm Conductor type (wire) Stranded copper wire,	Cable shielding (coverage)	80 %
Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 67,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 6.5 mm Outer-diameter (jacket) 6.5 mm Tolerance outer diameter (shealth) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter tolerance core insulation 1 mm Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1 mm Ingredient freeness wire insulation 1 mm Ingredient freeness wire insulation 1 mm Conductor or disriple wires 0,1 mm Conductor or orsseedion (wire) 0,14 mm² Material conductor wire Stranded copper wire, barre Conductor (ype (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 2 A Electrical resistance line constant wire 33 Ω/km @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operatin	Banding	Fleece, Foil
Cable weighth 67.1 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 (jackat) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter insulation 7 0 ± 5 Shore D Shore hardness wire insulation 7 0 ± 5 Shore D Ingredient freeness wire insulation 1 mm Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ωkm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operat	wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
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) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Outer diameter insulation 1 mm Outer diameter loberance ore insulation ± 5 % Shore hardness wire insulation 1 mm Outer diameter loberance ore 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) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage (wire view) 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 (standard) to DIN VDE 029	Traversing distance (C-track)	5 m @ 25 °C horizontal
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 12 Outer diameter insulation 1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 18 Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield)	Cable weigth	67,1 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6.5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 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) 18 Biameter of single wires 0.1 mm Conductor crosssection (wire) 0,14 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 (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - sheld) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter	Material jacket	PUR
Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient Treeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,14 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 (wire - wire) 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Min. operating temperature (static) 40 °C Min. operating t	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 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) 18 Diameter of single wires 0,1 mm Conductor orsssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Nominal voltage AG max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wire wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - silect) 2 kV @ 60 s AC withstand voltage (wire - silect) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 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) 18 Diameter of single wires 0,1 mm Conductor orsssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Nominal voltage AG max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wire wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - silect) 2 kV @ 60 s AC withstand voltage (wire - silect) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C	Outer-diameter (jacket)	6,5 mm
Amount wires 12 Outer diameter insulation 1 mm Outer diameter loterance core insulation ± 5 % Shore hardness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor vires 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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 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) <td< td=""><td></td><td>±5%</td></td<>		±5%
Outer diameter insulation 1 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) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 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) 0 °C / 90 °C @ 10000 h Operation	Material wire insulation	PP
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) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C <	Amount wires	12
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) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Outer diameter insulation	1 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 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 2 A Current load capacity min. wire 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 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 Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter	Outer diameter tolerance core insulation	± 5 %
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 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Min. operating temperature (static) Max. operating temperature (static) A0 °C Max. operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN ISO 4801-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter	Shore hardness wire insulation	70 ± 5 Shore D
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 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 3 kV @ 60 s Min. operating temperature (static) Max. operating temperature (static) A0 °C Max. operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN ISO 4801-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,14 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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	Amount strands (wire)	<u> </u>
Conductor crosssection (wire) 0,14 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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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		0,14 mm²
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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	Conductor type (wire)	
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	Nominal voltage AC max.	300 V
Electrical resistance line constant wire AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	Current load capacity min. wire	2 A
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	Electrical resistance line constant wire	138 Ω/km @ 20 °C
Jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) AS °C Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) BO °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Bo °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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		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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	AC withstand voltage (wire - shield)	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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	Operating temperature min. (dynamic)	-25 °C
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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	UV resistance	DIN EN ISO 4892-2 A
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	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter	chemical resistance	
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter	Oil resistance	
	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter
114101 Opoca (0 11401)	Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles 2 Mio.	No. of torsion cycles	2 Mio.
Torsion stress ± 30 °/m	·	± 30 °/m
Torsion speed 35 cycles/min	Torsion speed	35 cycles/min