

M12 female 0° A-cod. with cable shielded

PUR 3x0.34 shielded gy UL/CSA+drag ch. 15m

Female straight M12, 3-pole shielded

with cable sleeves

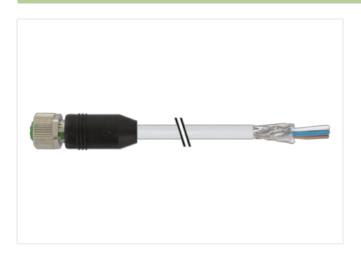
Plastic housings with good resistance against chemicals and oils.

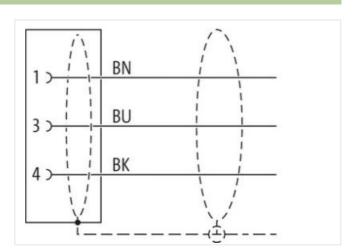
The resistance to aggressive media should be individually tested for your application. Further details on request.

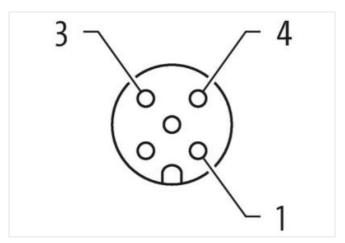
Further cable lengths on request.

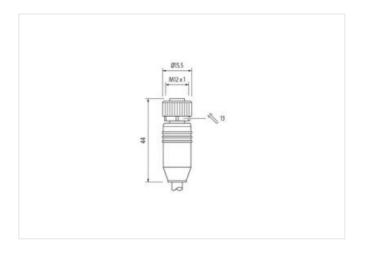
Link to Product

Illustration









Product may differ from Image













Cable length

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: 2024-04-18



Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879542685
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	1
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data 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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	240
Cable Type	3
Jacket Color	gray

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: 2024-04-18



stay connected

Amount stranding 1 Samaning 3 were twisted Cable shelding (type) copper braid, tinned Cable shelding (coverage) 80 % Bandring Flooco, Foll wite arrangement brown, black, blue No. of blanding cycles (C-track) 5 Mo. g2 1°C Cable weight 44 ym Material jackert PUR Shore hardness jacket PUR Shore hardness jacket 90 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Galameter insulation 2 5 % Material wire insulation 3 1,25 mm Outer diameter (sheath) 5 5 % Shore hardness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 Shore D Ingredient feeness were insulation 70 5 Shore D Ingredient feeness were insulation 70 5 Shore D Ingredient feeness were i	Type of Certificate	cURus
Cable shielding (coverage) copper braid, timed Cable shielding (coverage) 80 % Barding Floeor, Foll wite arrangement brown, Back, Bue No. of bending cycles (C-track) 5 Mic @ 25 °C Cable weight 44 g/m Material jacket PUR Shore hardness jacket 90 ± S Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer-diameter (glacket) 5 5 % Tolerance outer diameter (sheath) 5 5 % Material wire insulation PP Amount wires 3 Outer diameter invelation 1,25 mm Outer diameter (sheath) 2 5 % Shore hardness wire insulation 1,25 mm Outer diameter (sheath) 2 5 % Shore hardness wire insulation 7 5 5 Shore D Ingredient Teeness wire insulation 7 5 5 Shore D Ingredient Teeness wire insulation 7 5 5 Shore D Ingredient Teeness wire insulation 7 5 5 Shore D Ingredient Teeness wire insulation 7 5 5 Shore D Ingredient Tee	Amount stranding	1
Cable shlekting (coverage) 80 % Banding Fleece, Foll wise arrangement brown, black, blue No. of banding cycles (C-track) 5 Mio, @ 25 °C Cable weight 44 g/m Material jacket PUR Shore hardness jacket 90 s 5 Shore A Freedom from ingredients (jacket) 5 min Outer-diameter (jacket) 5 min Tolerance outer diameter (sheath) 4.5 % Matorial wire insulation PP Annount wires 3 Outer diameter insulation 1,25 min Outer diameter insulation 1,25 min Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 8 Annount strands (wire) 42 Diameter of single wires 0,1 mm Conductor of crosssection (wire) 43 Diameter of single wires 0,1 mm Matorial conductor wire Strand class 6 Traversing distance (C-track) 5 m @ 25 °C Indirectal Conductor type (wir	Stranding	3 wires twisted
Banding Floece, Foli	Cable shielding (type)	copper braid, tinned
wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio. @ 25° C Cable weigh 44 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 mm Tolerance outer diameter (sheath) 2 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation 1.25 mm Outer diameter tolerance core insulation 2.5 % Shore hardness wire insulation 70 ± 5 Shore D Outer diameter tolerance core insulation 4.5 % Ingredient Treeness wire insulation 70 ± 5 Shore D Outer diameter site insulation 1.25 mm Outer of contraction of single wires wire insulation 4.2 mm Diameter of single wires wire insulation 8.0 mm Amount strands (wire) 42 Diameter of single wires wire insulation 9.1 mm Material conductor wire Stranded copper wire, bare Conductor type (wire)	Cable shielding (coverage)	80 %
No. of bending cycles (C-track) 5 Mio. @ 25 °C Cablo weight 44 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 (glacket) 5 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 19 ± 5 Shore D Ingredient freeness wire insulation 19 ± 5 Shore D Ingredient freeness wire insulation 19 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire	Banding	Fleece, Foil
Cable weigh 44 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 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient fleeness wire insulation 70 ± 5 Shore D Ingredient fleeness wire insulation 70 ± 5 Shore D Ingredient fleeness were insulation 70 ± 5 Shore D Ingredient fleeness were insulation 70 ± 5 Shore D Ingredient fleeness were insulation 70 ± 5 Shore D Ingredient fleeness were insulation 70 ± 5 Shore D Conductor (wire) 42 Diameter of single wires 0.1 mm Conductor (wire) Stranded copper wire, pare Conductor (yiew) 5 m @ 25 °C (horizontal Current load capacity (standard) 10 IN VEC 0938-4 Current load capacity (standard)	wire arrangement	brown, black, blue
Material jacket PUB Shore hardness jacket 90 ± 5 Shore A Freedom from Ingredients (jacket) 5 mm Outer-dlameter (jacket) 5 mm Tolerance outer dlameter (jacket) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter 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 1.25 mm 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 Taversing distance (C-track) 5 m@ 25 °C (horizontal Current load capacity (standard) to DIN VDE 0298 4 Electrical resistance line constant wire 5 °Okm @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C AC withst	No. of bending cycles (C-track)	5 Mio. @ 25 °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) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 42 Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor or 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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 0/km @ 20 °C Nominal voltage power (Ar max. 300 V <t< td=""><td>Cable weigth</td><td>44 g/m</td></t<>	Cable weigth	44 g/m
Freedom from ingradients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Matorial wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter trievalution 1,25 mm Outer diameter trievalution 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 (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Taversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 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 - wire) 2 kV @ 60 s Min. operating temperature (steet) 40 °	Material jacket	PUR
Outer diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Amount strands (wire) 42 Jameter 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 6 A Electrical resistance line constant wire 6 7 Okm @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shied) 2 kV @ 60 s Min. operating temperature (statc) -40 °C Max. operating temperature (statc) -40 °C Max. operating temperature (mix. dynamic) -25 °C Operating temperature (mix. dynamic) -25 °C	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter Insulation 1,25 mm Outer diameter Insulation ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation 70 ± 5 % hore D Ingredient freeness wire insulation dead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor vives Stranded copper wire, bare 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 6 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 Min. operating temperature (static) 40 °C Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation<	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter 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 6 A Electrical resistance line constant wire 57 Ωkm @ 20 °C Nominal voltage power (Armax. 300 V AC withstand voltage power (wire - skield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) 80 °C / 90 °C @ 1000	Outer-diameter (jacket)	5 mm
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) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor yee (wire) stranded copper wire, bare Conductor yee (wire) stranded copper wire, bare Conductor vire (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 6 A Electrical resistance line constant wire 57 Okm @ 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 (fixed) 80 °C / 90 °C @ 10000 h Operation	Tolerance outer diameter (sheath)	± 5 %
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 type (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 (strandard) 2 kV @ 60 s 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 / 90 °C @ 10000 h Operation Operating temperature (static) 40 °C / 90 °C @ 100000 h Operation Operating temperature min. (dyna	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) 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 6 A Electrical resistance line constant wire 57 Ωkm @ 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 Mc. withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Deparating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) -26 °C @ 10000 h Operation Flame resistance Good, application-r	Amount wires	3
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 6 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 (static) 40 °C Max operating temperature (inced) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 65 °C Chamical resistance IEC 60332-2-2 LIL 1581 § 1100 FT2 UL 1581 § 1090	Outer diameter insulation	1,25 mm
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 min. wire 6 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 Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1990 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 5 × Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Outer diameter tolerance core insulation	± 5 %
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 6 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 kW @ 60 s Power frequency withstand voltage power (wire - shield) 2 kW @ 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 Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	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 (standard) to DIN VDE 0298-4 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 Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Plame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter No. of torsion cycles 2 kMio. Torsion speed 35 cycles/min	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 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) AC 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) 7-25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	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 6 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 AC withstand voltage power (wire - wire) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 90 °C @ 10000 h Operation Flame resistance 1EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	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 6 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 Electrical resistance 1EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	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 6 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 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 Elec 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 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 Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio.	Conductor type (wire)	strand class 6
Current load capacity min. wire 6 A Electrical resistance line constant wire 57 \(\Omega \)/km \(\omega \) 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV \(\omega \) 60 s Power frequency withstand voltage power (wire - wire) 2 kV \(\omega \) 60 s AC withstand voltage power (wire - wire) 2 kV \(\omega \) 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C \(\omega \) 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C \(\omega \) 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 \(\green \) 1100 FT2 UL 1581 \(\green \) 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion speed 35 cycles/min	Traversing distance (C-track)	5 m @ 25 °C horizontal
Electrical resistance line constant wire 57 \(\Omega / \text{C} \) Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV \(\omega \) 60 s Power frequency withstand voltage power (wire - wire) 2 kV \(\omega \) 60 s AC withstand voltage power (wire - wire) 2 kV \(\omega \) 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C \(\omega \) 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C \(\omega \) 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 \(\green \) 1100 FT2 UL 1581 \(\green \) 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion speed 35 cycles/min	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - jacket) 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 Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing 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	Current load capacity min. wire	6 A
AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - jacket) 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 Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing 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	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 Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed	Nominal voltage power AC max.	300 V
(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 Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	AC withstand voltage power (wire - shield)	2 kV @ 60 s
Min. operating temperature (static) 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 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min		2 kV @ 60 s
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 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	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 Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing 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	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Operating temperature min. (dynamic)	-25 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance DIN EN 60811-404 Good, application-related testing 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	chemical resistance	Good, application-related testing
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	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Bending radius (fixed)	5 x Outer diameter
Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
	No. of torsion cycles	2 Mio.
	Torsion speed	35 cycles/min
	Torsion stress	± 30 °/m