

M12 female 0° A-cod. with cable

PUR 4x0.34 ye UL/CSA 20m

⚠ NOTICE ⚠ PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Female straight

M12, 4-pole

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.

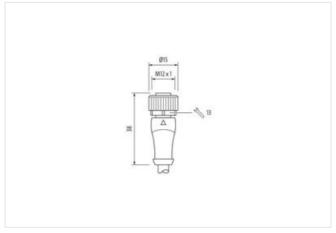
Further cable lengths on request.

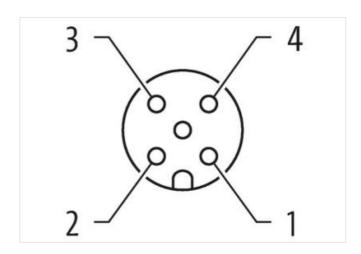
Link to Product

Illustration









Product may differ from Image













Cable length

20 m



stay connected

Side 1	
Tightening torque	0,6 Nm
<u> </u>	· · · · · · · · · · · · · · · · · · ·
Mounting method Family construction form	inserted, screwed M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
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	4048879213196
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
·	MO4
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	
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)



stay connected

Jacket Color Numerit stranding 1 Stranding 3 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination twisted Banding wire arrangement 1 pray-prink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue No. of bending cycles (C-track) 4 Mio. @ 25 °C Cable weigh 44 grim Material jacket 1 PE-S Shore hardness jacket 7 PE-S Shore hardness jacket 1 PE-S Shore ha	Cable identification	282
Stranding 3 wires twisted Amount strainding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination twisted Banding Fleece wire arrangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue No. of bending cycles (C-track) 4 Mio. @ 25 °C Cable weight 44 g/m Material jacket TFE-S Shore hardness jacket 47 ± 5 Shore D Freedom from ingredients (gacket) 6 mm Culer-diameter (gacket) 6 mm Tolerance outer diameter (sheatth) ± 5 % Material wire insulation pP Amount wires ±2 Outer diameter insulation 1 mm Outer diameter insulation 1 mm Outer diameter insulation 1 mm Outer diameter insulation 6 4 ± 3 Shore D Ingredient freeness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 6 4 ± 3 Shore D Ingredient freeness wire insulation 6 1 mm Amount strands (wire) 10 mm Conductor type (wire)	Jacket Color	blue
Amount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination twisted Blanding Fleece wire arrangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue No. of bending cycles (C-track) 4 Min. @ 25°C Auble weigh 44 gm Material jacked TPE-S Shore hardness jacket 47 £ 8 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6 mm Tolerance outer dameter (sheath) 1 £ 5 %. Material wire insulation PP Amount wires 12 Cuter diameter insulation 1 mm Outer diameter insulation 1 mm Outer diameter insulation 1 mm Outer diameter wire insulation 1 mm Outer diameter wire insulation 1 mm Outer diameter swire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strand	Amount stranding	1
Stranding (type 2) 9 wires around Stranding combination twisted Banding Fleece wire arrangement gray pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue No. of bending cycles (C-track) 4 Mio. @ 25 °C Cablo weight 44 g/m Material Jacket TPE-S Shore hardness jacket 47 ± 5 Shore D Freedon from ingredients (jacket) 6 mm Cluter-diameter (gacket) 6 mm Tolerance pulser (garket) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter insulation 1 mm Outer diameter insulation 4 ± 3 Shore D Ingredient freeness wire insulation 6 ± 3 Shore D Ingredient freeness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 9,1 mm Conductor type (ive) 8 Diameter of single wires 0,1 mm <t< td=""><td>Stranding</td><td>3 wires twisted</td></t<>	Stranding	3 wires twisted
Banding Fleece wire arrangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue No. of bending cycles (C-track) 4 Mio, Ø2 5° C Cable weigth 44 g/m Material jacket TPE-S Shore hardness jacket 47 ± 5 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6 mm Tolerance under diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 64 ± 3 Shore D Ingredient froeness wire insulation 1 mm Outer diameter (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 1,4 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 8 Traversing distance (C-track) 10 m Ø 25° C Inotzontal Current load capacity (standard) 10 b VDE 0288-4<	Amount stranding (type 2)	1
wire arrangement gray-pink, violet, red blue, brown, red, gray, black, yellow, pink, green, white, blue No. of bendring cycles (C-track) 4 Mio. @ 25 °C Cable weight 44 gm Material jacket TPE-S Shore hardness jacket 47 ± 5 Shore D Freedom from ingredients (jacket) 6 mm Outer diameter (jacket) 6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter insulation 2 ft Shore hardness wire insulation 6 4 ± 3 Shore D Ingredient freeness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 8 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor flye (wire) strand class 6 Tavavrsing distance (C-track) 10 m@ 25 °C horizontal Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (standard) 10 DIN VDE 0298	Stranding (type 2)	9 wires around Stranding combination twisted
No. of bending cycles (C-track) 4 Mio. @ 25 °C Cable weigh 44 g/m Material jacket TPE-S Shore hardness jacket 47 ± 5 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter blearance core insulation ± 5 % Shore hardness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 18 Dameter of single wires 0.1 mm Conductor crosssection (wire) 0.14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Traversing distance (C-track) 10 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	Banding	Fleece
Cable weight 44 g/m Material jacket TPE-S Shore hardness jacket 47 ± 5 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter blevance core insulation 1 mm Chuter diameter tolerance core insulation 64 ± 3 Shore D Ingredient freeness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 18 Diameter of single wires 0,1 mm Conductor roressection (wire) 0,14 mm² Material conductor vire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) 10 ml W 25 °C horizontal Current load capacity min. wire 2 A Electrical resistance line constant wire 139 Qkm @ 20 °C Nominal vo	wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Material jacket TPES Shore hardness jacket 47 ± 5 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (jacket) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation ± 5 % Shore hardness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 64 ± 3 Shore D Ingredient freeness wire insulation 18 B Diameter of single wires 0,1 mm Conductor or osssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 C	No. of bending cycles (C-track)	4 Mio. @ 25 °C
Shore hardness jacket	Cable weigth	44 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 64 ± 3 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 (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m@ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (static) -40 °C	Material jacket	TPE-S
Outer-diameter (jacket) 6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter loterance core insulation 1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 64 ± 3 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 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 31 k/ @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (min. (dynamic) 105 °C	Shore hardness jacket	47 ± 5 Shore D
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 64 ± 3 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) strande class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related	Outer-diameter (jacket)	6 mm
Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 64 ± 3 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) strande class 6 Traversing distance (C-track) 10 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 (wire wire) 139 Q/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (fixed) 105 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 F		± 5 %
Outer diameter insulation 1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 64 ± 3 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 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power (xine - wire) 3 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °C Flame resistance IEC 60332-2-2 UL 1581 § 199 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasol		PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 64 ± 3 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 Traversing distance (C-track) 10 m@ 25 °C horizontal Current load capacity standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (fixed) 105 °C Operating temperature (fixed) 105 °C Operating temperature max. (dynamic) 105 °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 DIN EN 60811-404	Amount wires	12
Shore hardness wire insulation Ingredient freeness wire insulation Ingredient free, CFC-free, halogen-free, silicone-free Ingredient free, silicone-free free free free free free free fre	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 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (fixed) 105 °C Operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °C Flame resistance Elec 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	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) Stranded copper wire, bare Conductor type (wire) Strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) Lourent load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °C Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Cil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Shore hardness wire insulation	64 ± 3 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) Stranded copper wire, bare Conductor type (wire) Strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) Lourent load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °C Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Cil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	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 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gil 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 Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Amount strands (wire)	· ·
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °C Chemical resistance EEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of 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) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °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 Good, application-related testing DIN EN 60811-404 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)	0,14 mm²
Traversing distance (C-track) 10 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 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °C Flame resistance EEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of 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 2 A Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °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 Good, application-related testing DIN EN 60811-404 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 type (wire)	strand class 6
Current load capacity min. wire 2 A Electrical resistance line constant wire 139 \(\Omega / \text{km} \) \(\end{align*} \) \(\text{Constant} \) \(\text{V} \) \(\text{Q} \) \(\text{Constant} \) \(\text{V} \) \(\text{Q} \) \(\text{Constant} \) \(\text{V} \) \(\text{Q} \) \(\text{Constant} \) \(\text{V} \) \(\text{Q} \) \(\text{Constant} \) \(\text{V} \) \(\text{Q} \) \(\text{Constant} \) \(\text{V} \) \(\text{Q} \) \(\text{Constant} \) \(\text{V} \) \(\text{Q} \) \(\text{Constant} \) \(Constan	Traversing distance (C-track)	10 m @ 25 °C horizontal
Electrical resistance line constant wire 139 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °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 Good, application-related testing DIN EN 60811-404 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 (standard)	to DIN VDE 0298-4
Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 3 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 105 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °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 Good, application-related testing DIN EN 60811-404 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	2 A
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °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 Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Electrical resistance line constant wire	139 Ω/km @ 20 °C
Min. operating temperature (static) Max. operating temperature (fixed) Derating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Derating temperature max. (dynamic) Operating temperature max. (dynamic) 105 °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 Good, application-related testing DIN EN 60811-404 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	Nominal voltage power AC max.	300 V
Max. operating temperature (fixed) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 105 °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 Good, application-related testing DIN EN 60811-404 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 - wire)	3 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 105 °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 Good, application-related testing DIN EN 60811-404 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) Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Max. operating temperature (fixed)	105 °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 Good, application-related testing DIN EN 60811-404 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 Good, application-related testing DIN EN 60811-404 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)	105 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of 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 (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Bending radius (fixed)	
No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min		
Torsion speed 35 cycles/min		2 Mio.
	Torsion stress	