

#### 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.

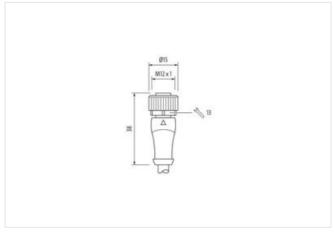
Further cable lengths on request.

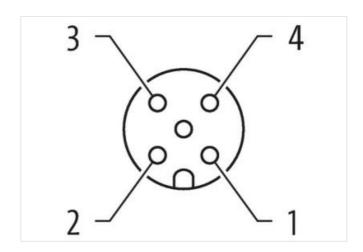
### **Link to Product**

#### Illustration









Product may differ from Image













Cable length

20 m



stay connected

Tightening torque	0,6 Nm
	· · · · · · · · · · · · · · · · · · ·
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	
	07070010
ECLASS-6.0	27279218
ECLASS-6.1 ECLASS-7.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218 27279218
ECLASS-9.0	27060311
ECLASS-9.0 ECLASS-10.1	27060311
ECLASS-10.1 ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879213196
Packaging unit	1
Electrical data   Supply	
	ore W
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed)	30 V 30 V
Current operating per contact max.	4 A
	4 A
Installation   Connection	
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
	<del>-</del> '
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	Cable identification	282
Stranding         3 wires bivisted           Amount stranding (type 2)         9           Stranding (type 2)         9 wes around Stranding combination twisted           Banding         Fleece           wire arrangement         gray pink, violet, red blue, brown, red, gray, black, yellow, pink, green, white, blue           Cable weight         44 gm           Material jacket         TPE-S           Shore hardness packet         47 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (flacket)         6 mm           Tolerance outer diameter (shauth)         ± 5 %           Material wire insulation         12           Armount wires         12           Store hardness wire insulation         1 mm           Outer diameter insulation         6 ± 3 Shore D           Ingredient heeness wire insulation         6 ± 3 Shore D           Ingredient heeness wire insulation         6 ± 3 Shore D           Ingredient strands (wire)         18           Damater of single wires         0, 1 mm           Conductor by reine         Stranded copper wire, bare           Conductor by reine         Stranded copper wire, bare           Taversing distance (Creack)         10 m @ 25	Jacket Color	blue
Amount stranding (type 2)   9 wires around Stranding combination twisted	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           Cable weigth         44 g/m           Material jacket         TPE-S           Shore hardness glacket         47 ± 5 Shore D           Freedom from ingredients (jacket)         lead free, cadmium free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Olderace outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1 mm           Outer diameter of single wires         1 mm           Conductor of single wires         0 1 mm           Conductor of single wires         0 1 mm           Conductor type (wire)         3 stranded copper wire, bare           Traversing distance (C-track)         10 m d dass 6           Traversing distance (C-track)         4 Mio. @ 25 °C           Nominal voltage AC max.	Stranding	3 wires twisted
Banding Fleece wire arrangement gray-pirk, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Cable weight 44 gm Material jackel TPE-S Shore hardness 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) 25 % Material wire substation PP Amount wires 12 Outer diameter folerance core insulation 1 mm Outer diameter folerance core insulation 24 5 % Shore hardness wire insulation 84 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter old single wires 0,1 mm Conductor crosssection (wire) 18 Diameter old single wires 0,1 mm Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-frack) 4 Mio. @ 25 °C Nominal voltage AC max. 300 V Current load capacity frain activity 139 Qikm @ 20 °C Current load capacity firm, wire 2 A Electrical resistance line constant wire 139 Qikm @ 20 °C Questing temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Questing temperature max. (dynamic) 105 °C Cipreating temperature max. (dynamic	Amount stranding (type 2)	1
wire arrangement         gray-pink, vlolet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Cable weight         44 g/m           Material jacket         TPE-S           Shore hardness jacket         47 ± 5 Shore D           Freedom from ingredients (jacket)         6 mm           Outer-diameter (glockt)         6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         4 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CPC-free, halogen-free, sillicone-free           Amount strands (wire)         18           Bameter of single wides         0,1 mm           Conductor rosssection (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           Traversing distance (C-track)         4 Mio. @ 25 °C           Curre	Stranding (type 2)	9 wires around Stranding combination twisted
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 tolerance core insulation         1 mm           Outer diameter tolerance core insulation         6 4 ± 3 Shore D           Ingredient freeness wire insulation         64 ± 3 Shore D           Ingredient freeness wire insulation         18           Diameter of single wires         0,1 mm           Conductor (wire)         0,14 mm²           Material conductor (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor (ype (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Traver speed (C-track)         1 m @ 25 °C   horizontal           Nominal vortage AC max.         300 V           Current load capacity min. wire         2 A           Electrical resistance line constant wire         139 Ω/km @ 20 °C<	Banding	Fleece
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 insulation         1 mm           Shore hardness wire insulation         64 ± 3 Shore D           Ingredient freeness 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 respective wire         0,14 mm²           Material conductor wire         Strande class 6           Taversing distance (C-track)         10 m @ 25 °C   horizontal           Travel speed (C-track)         4 Mio. @ 25 °C           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	wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Shore hardness jacket	Cable weigth	44 g/m
Freedom from ingredients (jacket)   lead-free, cadminum-free, CFC-free, halogen-free, silicone-free	Material jacket	TPE-S
Outer-diameter (jacket)         6 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         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           Travering distance (C-track)         10 m @ 25 °C (Invizontal)           Traver speed (C-track)         4 Mio. @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity min. wire         2 A           Electrical resistance line constant wire         139 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         3 kV @ 60 s           Min. operating temperature (fixed)         105 °C           Operating temperature min. (dynamic)         -25 °C           Opperating temperature min. (dynamic) </td <td>Shore hardness jacket</td> <td>47 ± 5 Shore D</td>	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)         strand class 6           Traver spect (C-track)         10 m @ 25 °C   horizontal           Travel speed (C-track)         4 Mio. @ 25 °C           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)         3 kV @ 60 s           Min. operating temperature (static)         40 °C           AC withstand voltage (wire - wire)         3 kV @ 60 s           Min. operating temperature (fixed)         105 °C           Operating temperature (fixed)         105 °C           Operating temperature (	Outer-diameter (jacket)	6 mm
Amount wires         12           Outer diameter insulation         1 mm           Outer diameter berance 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           Travel speed (C-track)         4 Mio. @ 25 °C           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)         3 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature (fixed)         105 °C           Operating temperature (mixed)         105 °C           Operating temperature (mixed)         605 °C           Operating tempe	Tolerance outer diameter (sheath)	± 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 oxssection (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           Traversing distance (C-track)         4 Mio. @ 25 °C           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         139 Ω/km @ 20 °C           AC withstand voltage (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         [EC 60332-2-2   UL 1581 § 109   UL 1581 § 1100 FT2           Chemical resistance         Good.	Material wire insulation	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  Travel speed (C-track) 4 Mio. @ 25 °C  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 139 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 3 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 105 °C  Operating temperature min. (dynamic) 105 °C  Operating temperature max. (dynamic) 105 °C  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  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Description of the sistence of	Amount wires	12
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           Travel speed (C-track)         4 Mio. @ 25 °C           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         139 Q/km @ 20 °C           AC withstand voltage (wire - wire)         3 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         105 °C           Plame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resi	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 Travel speed (C-track) 4 Mio. @ 25 °C 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 139 Ω/km @ 20 °C AC withstand voltage (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 EC Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Outer diameter tolerance core insulation	± 5 %
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 Travel speed (C-track) 4 Mio. @ 25 °C 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 139 O/km @ 20 °C AC withstand voltage (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 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 × Cuter diameter No. of torsion cycles 2 Mio. Torsion stress ± ±180 °/m	Shore hardness wire insulation	64 ± 3 Shore D
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   Travel speed (C-track) 4 Mio. @ 25 °C  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 139 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 3 kV @ 60 s  Min. operating temperature (static) -40 °C  Operating temperature (static) 105 °C  Operating temperature min. (dynamic) 105 °C  Operating temperature min. (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  Bending radius (fixed) 5 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	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)  10 m @ 25 °C   horizontal  Travel speed (C-track)  Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity inin. wire  2 A  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Max. operating temperature (static)  Aux. operating temperature (fixed)  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  105 °C  Operating temperature max. (dynamic)  105 °C  Chemical resistance  EC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gir esistance  Good, application-related testing  Oil resistance  Good, application-related testing  Bending radius (fixed)  5 x Quiter diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  ± 180 °/m	Amount strands (wire)	18
Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Travel speed (C-track)       4 Mio. @ 25 °C         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       139 Ω/km @ 20 °C         AC withstand voltage (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         Bending radius (dynamic)       10 x Outer diameter         No. of torsion cycles       2 Mio.         To	Diameter of single wires	0,1 mm
Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Travel speed (C-track)       4 Mio. @ 25 °C         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       139 Ω/km @ 20 °C         AC withstand voltage (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         Bending radius (dynamic)       10 x Outer diameter         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	Conductor crosssection (wire)	0,14 mm <sup>2</sup>
Traversing distance (C-track)  10 m @ 25 °C   horizontal  Travel speed (C-track)  4 Mio. @ 25 °C  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  139 Ω/km @ 20 °C  AC withstand voltage (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 § 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 stress  ± 180 °/m	Material conductor wire	Stranded copper wire, bare
Travel speed (C-track) 4 Mio. @ 25 °C  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 139 Ω/km @ 20 °C  AC withstand voltage (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 stress ± 180 °/m	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       139 Ω/km @ 20 °C         AC withstand voltage (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         Bending radius (dynamic)       10 x Outer diameter         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	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  AC withstand voltage (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 stress ± 180 °/m	Travel speed (C-track)	4 Mio. @ 25 °C
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  AC withstand voltage (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 stress ± 180 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire  139 Ω/km @ 20 °C  AC withstand voltage (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  ± 180 °/m		to DIN VDE 0298-4
AC withstand voltage (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   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 stress  ± 180 °/m	Current load capacity min. wire	2 A
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   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 stress  ± 180 °/m	Electrical resistance line constant wire	139 Ω/km @ 20 °C
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   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 stress  ± 180 °/m	AC withstand voltage (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  Gaod, 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 stress  ± 180 °/m	Min. operating temperature (static)	
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  Gaod, 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 stress  ± 180 °/m	Max. operating temperature (fixed)	105 °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 stress  ± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance 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 stress ± 180 °/m		105 °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 stress       ± 180 °/m		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 stress ± 180 °/m	chemical resistance	
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	-	
No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m		
Torsion stress ± 180 °/m		
	Torsion speed	35 cycles/min