

## M12 female 0° A-cod. with cable LED

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

Female straight M12, 4-pole

2× LED (PNP)

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

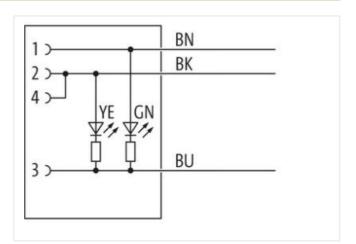
The resistance to aggressive media should be individually tested for your application. Further details on request.

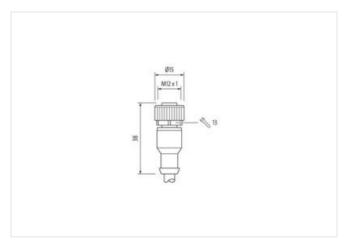
Further cable lengths on request.

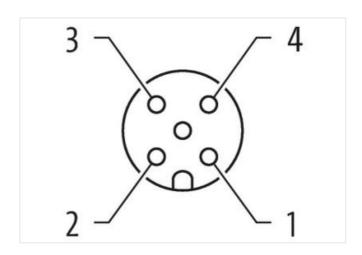
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

3 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: 2024-05-20



stay connected

Mounting method	inserted, screwed
Family construction form	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	
	07070040
ECLASS-6.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
	27279218
ECLASS-9.0 ECLASS-10.1	27060311
ECLASS-10.1	27060311
ECLASS-11.1 ECLASS-12.0	27060311
ETIM-5.0	27060311 EC001855
customs tariff number	85444290
GTIN	4048879209588
Packaging unit	1
	'
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	green, yellow
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	safe-cover coated
Coating locking  Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting  Zinc die-casting
Mechanical data   Mounting data	Line die datumg
Mounting method	inserted, screwed, Shaking protection
	inserted, Sciewed, Straking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)

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## stay connected

wino arrangement         brown, black, blue           Cable Inferification         253           Cable Type         5           Lacket Color         gray           Type of Certificate         cURus           Affording         3 wires twisted           Wind a rangement         brown, black, blue           Cable weight         20.7 g/m           Material jacket         PUR           Silver hardriness jacket         59 ± 3 Shore D           Freedom from ingredients (jacket)         4.3 mm           Couler dameter (jacket)         4.3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material work insulation         PP           Amount wises         3           Outer dameter (sheath)         ± 5 %           Material wire insulation         1,25 mm           Outer dameter (sheath)         ± 5 %           Shore bardness wire insulation         1,25 mm           Outer dameter (sheathers wire insulation)         ± 5 %           Marchial service in salidishin         ± 6 %           Shore bardness wire insulation         ± 5 %           Shore bardness wire insulation         ± 5 %           Conductor (prosessidence)         0,1 mm           Diameter of	Installation   Cable	
Cable Identification         253           Cable Type         5           Lacket Color         gray           Type of Curtificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigh         29,7 gm           Malerial jacket         PUR           Shore handness jacket         58 ± 3 Shore D           Freadom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (jacket)         4,3 mm           Tolerance outer diameter (jacket)         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter treallation	•	brown, black, blue
Cable Type         5           Jacket Color         gray           Jacket Color         gray           Type of Certificate         CURus           Amount stranding         1           Stranding         3 wires wisted           Wire arrangement         brown, black, blue           Cable weigh         29.7 pm           Madariel jacket         FUR           Shore bardiness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         4,3 mm           Folderance outer diameter (habeth)         4,5 mm           Tolerance outer diameter (habeth)         2,5 %           Material wire insulation         PP           Amount wires         3           Outer diameter Insulation         1,25 mm           Outer diameter Insulation         1		
Jacket Color Type of Certificate  URUS  URUS  URUS  URUS  URUS  URUS  Stranding  3 vires twisted  Wire arrangement  brown, black, blue  Cable weighn  29.7 pim  Material picket  FUR  Shore hardness jacket  FUR  Shore hardness jacket  FUR  Shore hardness jacket  FUR  Shore hardness includent (jacket)  Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  4,3 mm  Toheranco outer diameter (sheath)  1,25 mm  Outer diameter insulation  PP  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter insulation  74.1 3 Shore D  Ingredient freeness wire insulation  1,25 mm  Outer diameter insulation  74.2 1 Shore D  Ingredient freeness wire insulation  1,25 mm  Outer diameter insulation  Outer dia		
Type of Certificate Annount stranding 1 Swires twisted Write arrangement Corow, black, blue Cable weight Material jacket PUR Material jacket PUR Shore hardness jacket Freadom from ingediants (jacket) Jean-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) Jean-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) Jean-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) Jean-free Jean-fr		
Amount stranding 1 Sirranding 3 wires twisted wire arrangement brown, black, blue Cable weight 29,7 g/m Malorial jacket PUR Sirore hardness jacket 58 s. 3 Shore D Freedom from ingredients (gacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outlet-diameter (gacket) 4.3 mm Tolerance outlet diameter (shealth) 4.5 % Malorial wire insulation PP Amount wires 3 Outlet diameter insulation PP Amount wires 3 Outlet diameter insulation 1,25 mm Outlet diameter insulation 7.4 s. 3 Shore D Sirore hardness wire insulation 7.4 s. 3 Shore D Outlet diameter insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet diameter follorance core insulation 7.4 s. 3 Shore D Outlet of single wires 0.1 mm Outlet for single wires 0.1 mm Outlet for single wires 0.2 shore D Outlet diameter follorance over the single wire shore over the single the single shore over		
Stranding   3 wires twisted		
wire arrangement brown, black, blue  237, "gim  Material jacket  PUR  Shore hardness jacket  Freedom from ingrodients (jacket)  Outer diameter (jacket)  A 3 mm  Tolerance outer diameter (jacket)  A 5 %  Amount vivies  3  Outer diameter insulation  PP  Amount wires  3  Outer diameter insulation  74 ± 3 Shore D  Shore hardness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  75 ± 5 %  Shore hardness wire insulation  76 ± 5 %  Shore hardness wire insulation  77 ± 5 Shore D  Ingredient freeness wire insulation  78 ± 3 Shore D  Ingredient freeness wire insulation  79 ± 5 %  Shore hardness wire insulation  70 ± 5 %  Shore hardness wire insulation  80 ± 5 %  Shore hardness wire insulation  90 ± 5 %  Shore hardness wire insula		· · · · · · · · · · · · · · · · · · ·
Cable weigth         29.7 g/m           Material jacket         PUR           Material jacket         58 ± 3 shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, sillcone-free           Outer diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter tolerance core insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Diameter of single wires         0,1 mm           Conductor or ressection (wire)         0,34 mm²           Malerial conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Conductor type (wire)         strand class 6           Conductor type (wire)         strand class 6           Contract load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire)         50 DIN VDE 0298-4 <td></td> <td></td>		
Material jacket PUR  Shore hardness jacket 59 ± 3 Shore D  Freedom from injerdients (jacket) 4,3 mm  Tolerance outer diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter insulation 7 ± 3 Shore D  Injerdient freeness wire insulation 1,25 mm  Outer diameter insulation 7 ± 3 Shore D  Injerdient freeness wire insulation 1,25 mm  Outer diameter insulation 7 ± 3 Shore D  Injerdient freeness wire insulation 1,25 mm  Outer diameter insulation 1,25 mm  Injerdient freeness wire insulation 1,25 mm  Outer diameter insulation 1,25		
Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free           Uouter-diameter (jacket)         4,3 mm           Tolerance outer diameter (skeath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         42 %           Ingredient freeness wire insulation         42 %           Ingredient freeness wire insulation         42 %           Diameter of single wires         0,1 mm           Conductor or sessection (wire)         0,24 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         5 x and class 6           Mominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2,5 k V @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 k V @ 60 s           Min. operating temperature (f		·
Freedom from Ingredients (jacket)		
Outer-diameter (jacket)         4,3 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         44 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, GFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of Single Wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor vire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min, wire         6 A           Electrical resistance line constant wire         6 North @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withistand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (fixed)         90 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C <td< td=""><td>-</td><td></td></td<>	-	
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         74 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount Strands (wire)         42           Diameter of single wires         0,1 mm           Conductor rosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN Wib © 0 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature min. (dynamic)         20 °C @ 10000 h Operation           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         5 x		· · · · · · · · · · · · · · · · · · ·
Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Conductor type (wire)         stranded capper wire, bare           Conductor type (wire)         stranded capper wire, bare           Conductor type (wire)         stranded capper wire, bare           Conductor type (wire)         stranded capsed (strandard)           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         60 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Min. operating temperature (static)		· · · · · · · · · · · · · · · · · · ·
Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter insulation 2,5 mm  Outer diameter insulation 5 %  Shore hardness wire insulation 74 ± 3 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  Nominal voltage AC max. 300 V  Current load capacity standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Elicetrical resistance line constant wire 60 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - glacket) 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 min. (dynamic) -25 °C  Good, application-related testing  Gasoline resistance 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  Bending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of borsion cycles 1 Min.  Torsion stress ± ±360 °m		
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 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           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity win. wire         6 A           Electrical resistance line constant wire         60 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Oli resistance         Good, application-related testing		
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         14 ± 2           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           Nominal voitage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         60 Ω/km @ 20 °C           AC withstand voltage (wire - vire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - viacket)         2.5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Plame resistance         UL 1581 § 1900   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Bending radius (fixed)         5 x Outer d		
Shore hardness wire insulation   74 ± 3 Shore D		·
Ingredient freeness wire insulation Iead-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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) current load capacity min. wire 6 A Electrical resistance line constant wire AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) Max. operating temperature (static) 40 °C Max. operating temperature (fixed) Operating temperature inin. (dynamic) Poperating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C No. of torsion stress  ± 360 °/m		
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  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) 60 ALM 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - 2,5 kV @ 60 s  Power frequency withstand voltage (wire - 2,5 kV @ 60 s  Min. 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  Flame resistance UL 1581 § 1990   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance 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  Bending radius (dynamic) 10 x Outer diameter  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Traversing distance (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 1 Mio.  Torsion stress ± 360 °/m		
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       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     6 A       Electrical resistance line constant wire     60 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - alcoholing)     2,5 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     UL 1581 § 1090   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       Bending radius (fixed)     5 × Outer diameter       Bending radius (fixed)     5 × Outer diameter       Bending radius (fixed)     5 × Outer diameter       Bending radius (fixed)     5 m @ 25 °C   horizontal       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Travel speed (C-track) <td><u> </u></td> <td></td>	<u> </u>	
Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 60 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2.5 kV @ 60 s  Power frequency withstand voltage (wire - iz, 5 kV @ 60 s  Power frequency withstand voltage (wire - iz, 5 kV @ 60 s  Power frequency withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - wire) 2.5 kV @ 60 s  Power frequency withstand voltage (wire - iz, 5 kV @ 60 s  Power frequency withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 5 kV @ 60 s  AC withstand voltage (wire - iz, 60 s  AC withstand voltage (wire		·
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 6 O Ω/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - lacket) 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 UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 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 bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.  Torsion stress ± 380 °/m	Material conductor wire	· · · · · · · · · · · · · · · · · · ·
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 6 O Ω/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - lacket) 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 UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 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 bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.  Torsion stress ± 380 °/m	Conductor type (wire)	strand class 6
Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         60 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - acket)         2.5 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         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Travel speed (C-track)         3,3 m/s @ 25 °C           No. of torsion cycles         1 Mio.           Trosion stress         <		300 V
Current load capacity min. wire 6 A  Electrical resistance line constant wire 60 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2.5 kV @ 60 s  Power frequency withstand voltage (wire - action of the properties of the properti		to DIN VDE 0298-4
Electrical resistance line constant wire  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - lacket)  And withstand voltage (wire - wire)  2,5 kV @ 60 s  Max. operating temperature (static)  A0 °C  Max. operating temperature (fixed)  A0 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  B0 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic)  B1 w C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  Chemical resistance  G0od, 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 bending cycles (C-track)  10 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m		6 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Moverating temperature (fixed)  Moverating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Moverating temperatu	Electrical resistance line constant wire	60 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Moverating temperature (fixed)  Moverating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Moverating temperatu	AC withstand voltage (wire - wire)	2,5 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  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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 bending cycles (C-track)  10 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m	Power frequency withstand voltage (wire -	2,5 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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 bending cycles (C-track)  10 Mio. @ 25 °C  Traver sing distance (C-track)  5 m @ 25 °C   horizontal  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m		-40 °C
Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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 bending cycles (C-track)  10 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m		
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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 bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m		
Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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 bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m		
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 bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Flame resistance	·
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 bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	chemical 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 bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Gasoline resistance	
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of bending cycles (C-track) 10 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Oil resistance	
Bending radius (dynamic)  10 x Outer diameter  No. of bending cycles (C-track)  10 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m		
No. of bending cycles (C-track)  10 Mio. @ 25 °C  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Travel speed (C-track)  3,3 m/s @ 25 °C  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m	<u> </u>	
Traversing distance (C-track) 5 m @ 25 °C   horizontal  Travel speed (C-track) 3,3 m/s @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m		
No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Traversing distance (C-track)	
Torsion stress ± 360 °/m	Travel speed (C-track)	3,3 m/s @ 25 °C
	No. of torsion cycles	1 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 360 °/m
	Torsion speed	35 cycles/min