

M12 male 0° / M12 female 90° A-cod. LED

PUR 4x0.34+1x0.5 or UL/CSA+robot+drag ch. 7.5m

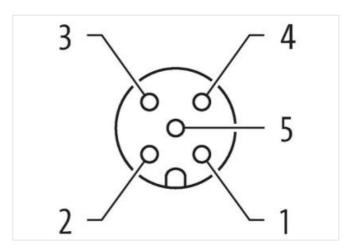
Male straight – female 90°
Zinc die casting, save-cover coated
M12 – M12, 5-pole
3× LED (PNP), (NPN) on request
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request
Plastic housings with good resistance against chemicals and oils.

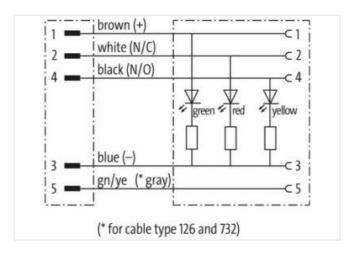
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

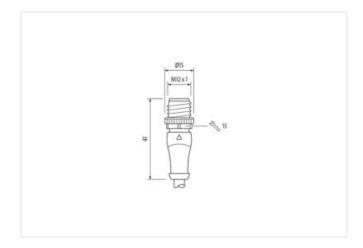
Link to Product

Illustration



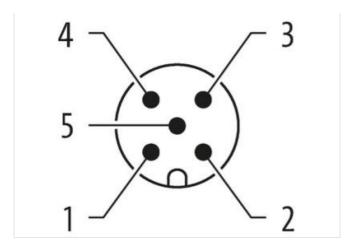


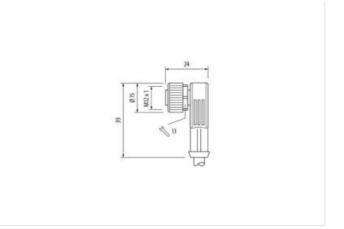






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Product may differ from Image









Cable length	7,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal \emptyset)	10 mm
Cable outlet	angled
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Commercial data	
ECLASS-6.0	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

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GTIN 404887960280 Electrical data Supply	customs tariff number	85444290
Packaging unit Electrical data Supply Geraring voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC min. 30 V Operating voltage DC min. 30 V Operating voltage DC min. 4 A Departing voltage DC min. 4 A Device protection Electrical Additional controlling protection degree misorited, screwed Pollution Degree 3	GTIN	
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Outer-diameter (jacket) 5,2 mm Tolerance outer diameter (sheath) ± 5 %	Shore hardness jacket	58 ± 3 Shore D
Tolerance outer diameter (sheath) ± 5 %	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	Outer-diameter (jacket)	5,2 mm
Material wire insulation PP	Tolerance outer diameter (sheath)	±5%
	Material wire insulation	PP

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Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation production in predict fremes wire insulation production from the production of single wires. 7 ± 2 Shore D Amount strands (wire) 42 Disameter of single wires. 0,1 mm Conductor (wire) Standed copper wire, bare. Conductor type (wive) strand class 6 Material wire insulation (Power) PP Outer diameter wire insulation (Power) 1,4 mm Toldrance outer diameter wire insulation (Power) 1,4 mm Toldrance outer diameter wire insulation (Power) 1,4 mm Flore hardness wire insulation (Power) 1,4 mm Flore hardness wire insulation (Power) 1,4 mm Flore hardness wire insulation (Power) 1,4 mm Shore hardness wire insulation (Power) 1,4 mm Hometer of single wires (Power) 1,6 Binance of single wires (Power) 0,2 mm Wire conductor wires (Power) 0,5 mm² Wire conductor wire (Power) 0,5 mm² Wire conductor wire (Power) 5 mm² Cornect toda capacity min. wire 4,5 A Current toda capacity (sandard)	Amount wires	4
Shore hardness wire insulation Ingredient freeness wire insulation (Power) Ingredient freeness wire ingredient freeness wi	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation	Outer diameter tolerance core insulation	±5%
Amount strands (wire)	Shore hardness wire insulation	74 ± 3 Shore D
Diameter of single wires 0,1 mm	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wine) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Power) 1,4 mm Tolerance outer diameter wire insulation (Power) 1,4 mm Tolerance outer diameter wire insulation (Power) 45 % Shore hardness wire insulation (Power) 743.3 Shore D Ingredient freeness wire insulation (Power) 1 Ingredient freeness wire insulation (Power) 16 Ingredient freeness wire (Power) 1 Amount strands wire (Power) 0,2 mm Wire conductor vive (Power) 0,5 mm² Wire conductor vive (Power) 0,5 mm² Material conductor wire (Power) Stranded copper wire, bare Conductor type (Power) Stranded copper wire, bare Conductor type (Power) Stranded copper wire, bare Courrent load capacity (standard) to DIN VDE 0298.4 Current load capacity (standard) to DIN VDE 0298.4 Current load capacity (standard) to DIN me 20° Electrical resistance line constant wire 60 O.km @ 20° Electrical resistance line constan	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Power) 1.4 mm Tolerance outer diameter wire insulation (Power) 1.4 mm Tolerance outer diameter wire insulation (Power) 25 % Shore hardness wire insulation (Power) 74±3 Shore D Ingredient freeness wire insulation (Power) 16 Diameter of single wires (Power) 16 Diameter of single wires (Power) 0.5 mm² Mile conductor cross section (Power) 0.5 mm² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Control tod capacity min. wire (Power) Stranded copper wire, bare Control tod capacity (Standard) to DIN VDE 0298-4 Current load capacity min. wire (Power) 4,5 A Current load capacity min. wire (Power) 39 Ω/km @20 °C Electrical resistance coating wire (Power) 39 Ω/km @20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) <td< td=""><td>Diameter of single wires</td><td>0,1 mm</td></td<>	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Material wire insulation (Power) PP Outer diameter wire insulation (Power) 1,4 mm Tolerance outer diameter wire insulation (Power) 25 % Shore hardness wire insulation (Power) 744.5 Shore D Ingredient freeness wire insulation (Power) 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Power) 1 Amount strands wire (Power) 16 Diameter of single wires (Power) 0,5 mm² Wire conductor cross section (Power) 5 trand dosps 5 Wire conductor wire (Power) Strand dosps 5 Conductor typs wire (Power) Strand dosps 5 Nominal voltage AC max. 300 V Courrent load capacity (standardr) to DIN VDE 0298-4 Current load capacity (standardr) to DIN VDE 0298-4 Current load capacity (wirin, wire (Power) 6.8 A Electrical resistance line constant wire 4.5 A Current load capacity with stand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2.5 kV @ 60 s Min. operating temperature (static) 80 °C / 90 °C @ 10000 h Operatio	Conductor crosssection (wire)	0,34 mm ²
Material wire insulation (Power) PP	Material conductor wire	Stranded copper wire, bare
Duter diameter wire insulation (Power) 1,4 mm	Conductor type (wire)	strand class 6
Tolerance outer diameter wire insulation (Power) As Shore hardness wire insulation (Power) Ingredient freeness wire insulation (Power) Amount wires (Power) Amount strands wire (Power) Diameter of single wires (Power) Material conductor cross section (Power) Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Courrent load capacity fish wire Current load capacity min. wire Uurrent load capacity min. wire (Power) Stranded copper wire, bare Current load capacity min. wire (Power) Current load capacity min. wire (Power) Current load capacity min. wire (Power) Stranded copper wire, bare Current load capacity min. wire (Power) Stranded copper wire, bare Current load capacity min. wire (Power) Stranded copper wire, bare Current load capacity min. wire (Power) 6,8 A Electrical resistance line constant wire 60 D/km @ 20 °C Electrical resistance loading wire (Power) 39 D/km @20 °C CA CW withstand vollage (Wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Awax. operating temperature (static) -25 °C Max. operating temperature (static) -25 °C Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Ol resistance Good, application-related testing Oli resistance Good, application-related testing Oli resistance Good, application-related testing Oli resistance Good, application-related testing No. of bending cycles (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 1 Mio. Torsion stress ± 360 °/m	Material wire insulation (Power)	PP
#5 % Shore hardness wire insulation (Power) 74±3 Shore D	Outer diameter wire insulation (Power)	1,4 mm
Ingredient freeness wire insulation (Power) Amount wires (Power) 1 Amount strands wire (Power) 16 Diameter of single wires (Power) Material conductor cross section (Power) Material conductor wire (Power) Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity (standard) Current load capacity (min. wire 4.5 A Electrical resistance line constant wire 60 \(\O \text{Irm} \text{ \@ 20} \text{ \@ 60 s} \) Electrical resistance coating wire (Power) AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - iacket) Aux. operating temperature (static) Aux. operating temperature (static) Aux. operating temperature min. (dynamic) Operating temperature min. (dynamic) Capacity (Standard) Di resistance Good, application-related testing Di resistance Good, application-related testing No. of brending cycles (C-track) Traversing distance (C-track) Traversing distance (C-track) Traversing distance (C-track) To sion stress ± 360 \(^{\text{/m}}\)	Tolerance outer diameter wire insulation (Power)	±5 %
Amount wires (Power) 1 Amount strands wire (Power) 16 Diameter of single wires (Power) 0,2 mm Wire conductor cross section (Power) 0,5 mm² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity min. wire 4.5 A Current load capacity min. wire 4.5 A Current carrying capacity min. wire (Power) 6.8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance load voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Max. operating temperature (static) 40 °C Max. operating temperature (min. (dynamic) 25 °C Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Coli resistance 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) 5 m @ 25 °C horizontal Travel speed (C-track) 1 Mio. Or torsion stress ± 360 °/m	Shore hardness wire insulation (Power)	74±3 Shore D
Amount strands wire (Power) 16 Diameter of single wires (Power) 0,2 mm Wire conductor cross section (Power) 0,5 mm² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 Y Current load capacity strandard) to DIN VDE 0298-4 Current load capacity min. wire (Power) 6,8 A Current carrying capacity min. wire (Power) 6,8 A Electrical resistance ine constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 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 Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good. application-related testing Oil resistance Good. application-related testing Oil resistance Good.	Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires (Power) 0,2 mm Wire conductor cross section (Power) 0,5 mm² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current carrying capacity min. wire (Power) 6,8 A Current esistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - sizekt) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C@ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C@ 10000 h Operation Flame resistance U. 1 581 § 1990 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance <t< td=""><td>Amount wires (Power)</td><td>1</td></t<>	Amount wires (Power)	1
Wire conductor cross section (Power) Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 4,5 A Current carrying capacity min. wire (Power) 6,8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - acket) acket) Min. operating temperature (static) Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1090 EC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Amount strands wire (Power)	16
Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current carrying capacity min. wire (Power) 6,8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - giacket) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1909 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oli 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 bending cycles (C-track) 10 Mio. @ 25 °C Traver	Diameter of single wires (Power)	0,2 mm
Conductor type wire (Power) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current carrying capacity min. wire (Power) 6,8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ajacket) 2,5 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 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 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 bendi	Wire conductor cross section (Power)	0,5 mm²
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current carrying capacity min. wire (Power) 6,8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 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 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) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C No. of bending cycles (C-track) 5 m @ 25 °C No. of torsion cycles 1 Mio. Traver Speed (C-track) 1 Mio. Traver Speed (C-track) 1 Mio. Torsion stress ± 360 °/m	Material conductor wire (Power)	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current carrying capacity min. wire (Power) 6,8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 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 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 Bending radius (c-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Conductor type wire (Power)	Strand class 5
Current load capacity min. wire 4,5 A Current carrying capacity min. wire (Power) 6,8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - aick wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - aick 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 Good, application-related testing Oil resistance Good, application-related testing IDIN EN 60811-404 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	Nominal voltage AC max.	300 V
Current carrying capacity min. wire (Power) 6,8 A Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 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 DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 1 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	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 60 Ω/km @ 20 °C Electrical resistance coating wire (Power) 39 Ω/km @20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 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 DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (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	Current load capacity min. wire	4,5 A
Electrical resistance coating wire (Power) AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) All withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) AS °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) Bo °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 DIN EN 60811-404 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) 7 i Mio. Torsion stress ± 360 °/m	Current carrying capacity min. wire (Power)	6,8 A
AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 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 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 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	Electrical resistance line constant wire	60 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) 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 DIN EN 60811-404 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	Electrical resistance coating wire (Power)	39 Ω/km @20 °C
Jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) In the second operation of the second operation Operating temperature max. (dynamic) In the second operation operation Operating temperature max. (dynamic) Operating temperature max. (dynamic) In the second operation operation Operating temperature max. (dynamic) Operation operation Operation	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) So °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 DIN EN 60811-404 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 - jacket)	2,5 kV @ 60 s
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 DIN EN 60811-404 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	Min. operating temperature (static)	
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 DIN EN 60811-404 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	Max. operating temperature (fixed)	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 DIN EN 60811-404 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 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 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)	-
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 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
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 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
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	• 11
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	
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	Bending radius (fixed)	5 x Outer diameter
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	Bending radius (dynamic)	
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
No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Traversing distance (C-track)	5 m @ 25 °C horizontal
Torsion stress ± 360 °/m	Travel speed (C-track)	
	No. of torsion cycles	1 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 360 °/m
	Torsion speed	35 cycles/min