

M12 female 0° A-cod. with cable LED

PUR 4x0.34 bk UL/CSA+robot+drag ch. 10m

Female straight M12, 4-pole

2× LED (PNP)

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

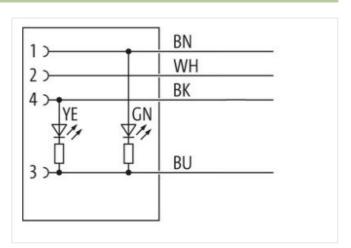
Plastic housings with good resistance against chemicals and oils.

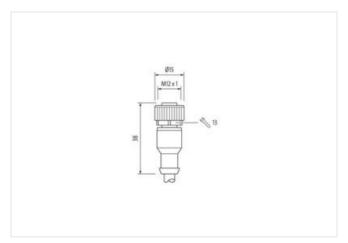
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

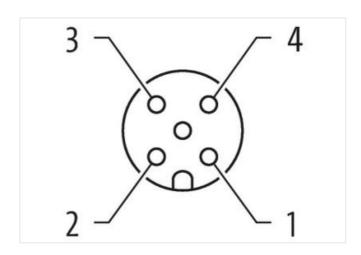
Link to Product

Illustration









Product may differ from Image











Cable length

10 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: 2024-06-21



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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	
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
customs tariff number	85444290
GTIN	4048879367332
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
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	1
Mechanical data Material data	
Coating locking	safe-cover coated
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
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	Attention: 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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Cable Type 5 Jacker Color black Type of Certificate oUrus Amount standing 1 Stranding 4 wires twested wire arraigement brown, black, blue, white Cable weigh 36,3 gm Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer diameter (selenth) 4,7 mm Trainance outer diameter (selenth) 5 % Material vive insulation PP Amount viries 4 Cuter diameter (selenth) 2,5 % Shore hardness were insulation 1,25 mm Outer diameter (selenth) 2,5 % Shore hardness were insulation 1,25 mm Outer diameter (selenth) 2,5 % Shore hardness were insulation 1,34 mm² Material viries 4 Conductor type (wire) 2,34 mm² Conductor type (wire) 8 mad read-free, cadmium-free, CFC-free, halogen-free, silicone-free Conductor type (wir	wire arrangement	brown, black, blue, white
Jacket Color	Cable identification	654
Type of Contilicatio CURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, back, blue, white Abbie veight 36.3 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingedients (jacket) 4.7 mm Outer-dismeter (jacket) 4.7 mm Tolerance outer dismeter (relateth) ± 5 % Material wire insulation PP Annount wires 4 Outer dismeter insulation 1,25 mm Outer dismeter wis sulation 1,25 mm	Cable Type	5
Amount stranding 1 Stranding 4 wires twisted wine arrangement brown, black, blue, white Cable weight 98.3 g/m Meterial jacket PUR Shore hardness jacket 85 ± 3 Shore D Froadom from Ingredients (jacket) lead free, cadminum-free, CFC-free, halogen-free, silicone-free Cuter-diameter (jacket) 4, 7mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter froe from core insulation 1,25 mm Outer diameter froe from core insulation 1,25 mm Outer diameter froe from core insulation 74 ± 3 Shore D Ingredient froeness wire insulation 74 ± 3 Shore D Ingredient froeness wire insulation 74 ± 3 Shore D Ingredient froeness wire insulation 2,5 % Shore hurdness wire insulation 3,1 mm Conductor (reeness wire insulation) 2,4 ± 3 Shore D Ingredient froeness wire insulation 2,5 mm Outer diameter insulation 3,4 mm² Marker of single wires 0,1 mm	Jacket Color	black
Stranding 4 wires hvisted wire arrangement brown, black, blue, white Cable weight 36.3 mm Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,7 mm Tolerance outer diameter (neuterion 2 F Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 7 4 ± 3 Shore D Freedom free wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter size wire insulation 1.4 ± 3 Shore D Ingredient research wire insulation 4 ± 3 Shore D Outer diameter size wire insulation 4 ± 3 Shore D Outer diameter of single wires 0.1 mm Conductor type diameter of single wires 0.1 mm Conductor type diameter of single wires 0.1 mm Conductor type divised 3 Stranded copper wire, bare	Type of Certificate	cURus
wire arrangement brown, black, blue, white Gable weigh 36.3 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) 4,7 mm Tolerance outer diameter (sheath) 4,7 mm Tolerance outer diameter (sheath) 4,5 % Material wire insulation PP Annount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 2,4 ± 3 Shore D Ingredient freeness wire insulation 4,4 3 Shore D Ingredient freeness wire insulation 4,4 mm Outer diameter insulation 5,4 ± 3 Shore D Ingredient freeness wire insulation 4,4 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter folerance core insulation 1,25 mm Outer diameter folerance core insulation 1,25 mm Outer diameter freeness wire insulation 1,25 mm Outer diameter freeness wire insulation 1,25 mm Outer diameter freeness wire insulation 1,25 mm Outer diameter folerance core insulation 1,25 mm Outer diameter freeness wire insula	Amount stranding	1
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Material jacket PUR Shore hardness jacket S8 ± 3 Shore D S8 ± 3	wire arrangement	brown, black, blue, white
Shore hardness jacket S8 ± 3 Shore D	Cable weigth	36,3 g/m
Freedom from Ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material wire insulation PP Anount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 125 mm Ingredient freeness wire insulation 14 ± 3 Shore D Ingredient freeness wire insulation 14 ± 3 Shore D Ingredient freeness wire insulation 14 ± 2 Diameter of single wires 0,1 mm Conductor of sessection (wire) 33 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal vallage AC max 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 60 Qkm @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2.5 kV @ 60 s	Material jacket	PUR
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Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter blerance 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 (wive) 42 Diameter of single wires 0,1 mm Conductor or sessesceion (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 VDE 0298-4 Current load capacity (wire vire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - vire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - vire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (mex) 80 °C / 90 °C @ 10000 h Operat	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 2.5 % 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 orssection (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 4,8 A Electrical resistance line constant wire 60 Ω/m @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - inclease) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance <td< td=""><td>Tolerance outer diameter (sheath)</td><td>± 5 %</td></td<>	Tolerance outer diameter (sheath)	± 5 %
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 min. wire 4,8 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 Min. operating temperature (wired) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance Un 1581 § 1100 TFZ IEC 60332-22 UL 1581 § 1090 chemical resistance Good, application-related testing DIN EN	Material wire insulation	PP
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 (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 (mix wire) 4,8 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 (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature mix. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance Use 1581 § 1100 FTZ IEC 60332-2-2 Uk. 1581 § 1090	Amount wires	4
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 4,8 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 (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 UV resistance DIN EN ISO 4892-2 A Filme resistance UI. 1581 § 1100 FT2 IEC 60332-2-2 UI. 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor 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) to DIN VDE 0298-4 Current load capacity min. wire 4.8 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 - 2,5 kV @ 60 s Power frequency withstand voltage (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 min. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Ending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Bending radius (dynamic) 5 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal Traver sing distance (C-track) 1 Mio. Torsion stress ± 360 °/m	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 (standard) to DIN VDE 0298-4 Current load capacity win. wire 4,8 A Electrical resistance line constant wire 50 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - alacket) 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 UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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 (dynamic) 10 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal Traver sing distance (C-ckrack) 5 m @ 25 °C horizontal Traver sing distance (C-ckrack) 1 Mio. Torsion stress ± 360 °/m	Shore hardness wire insulation	74 ± 3 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 60 Q/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency 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) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISQ 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gil resistance Good, application related testing <td>Ingredient freeness wire insulation</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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 4.8 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 - jacket) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance U. 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing	Amount strands (wire)	42
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 4.8 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 - jacket) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance U. 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing	Diameter of single wires	0,1 mm
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 4,8 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 - ize) 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 UV resistance DIN EN ISO 4892-2 A Fiame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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) <td< td=""><td><u> </u></td><td>0,34 mm²</td></td<>	<u> </u>	0,34 mm ²
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Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 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 - jacket) 4,0 °C 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 UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 1 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal Traver sing distance (C-track)		
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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 - iacket) 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 UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 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		
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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 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
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
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	Gasoline resistance	···
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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)	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