

## M12 female 90° A-cod. with cable LED

PUR 4x0.34 bk UL/CSA+drag ch. 3m

Female 90° M12, 4-pole 3× LED (PNP)

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

Plastic housings with good resistance against chemicals and oils.

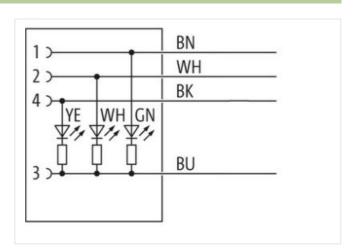
The resistance to aggressive media should be individually tested for your application. Further details on request.

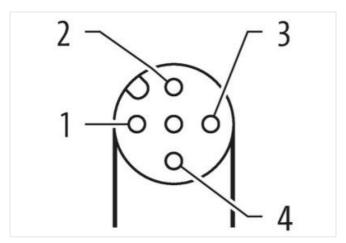
Further cable lengths on request.

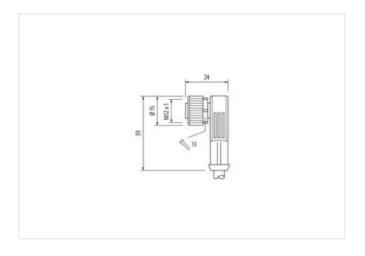
## **Link to Product**

## 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: 2024-05-17



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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-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879202596
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
	47
Diagnostics	
Status indication LED	green, white, yellow
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
•	inserted, screwed 3
Additional condition protection degree	·
Additional condition protection degree Pollution Degree	3
Additional condition protection degree  Pollution Degree  Rated surge voltage	3
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)	3
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data	3 0,8 kV
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking	3 0,8 kV I Nickeled
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting	3 0,8 kV I Nickeled nickel plated
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material	3 0,8 kV I Nickeled nickel plated Zinc die-casting
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection	3 0,8 kV I Nickeled nickel plated Zinc die-casting
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic  Operating temperature min.	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data Mounting method Environmental characteristics   Climatic Operating temperature min. Operating temperature max.	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection  -25 °C 85 °C
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range	3 0,8 kV I Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection  Mechanical data   Mounting data Mounting method Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection  -25 °C 85 °C depending on cable quality
Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range	3 0,8 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection  -25 °C 85 °C

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Product standard DIN EN 61076 2-101 (M12)  Installation (Cable  wire arrangement brown, black, blue, white  Cable identification 634  Cable Type 3  Jacket Cobor Black Type of Certificate cURus  Amount stranding 1  Standing 4 were twisted  wire arrangement brown, black, blue, white  Cable weigh 38.3 g/m  Material jacket PUR  Shore hardness jacket 90 £ Shore A  Freedom from ingredients (jacket) 45 mm  Tolerance outer diameter (health) 45 mm  Tolerance outer diameter (health) 1 £ 5 %  Duter diameter tolerance our insulation 1 £ 5 %  Outer diameter tolerance our insulation 70 £ Shore D  Ingredient feeness wire insulation 70 £ Shore D  Ingredient feeness wire insulation 70 £ Shore D  Ingredient feeness wire insulation 84 mm  Conductor crosssection (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 57 Q km 20 ° C  Amount strand collage (wire) 57 Q km 20 ° C  ACurrent load capacity funk wire 4.8 A  Current load capacity funk wire 4.8 A  Current load capacity funk wire (state) 40 ° C,50 ° C © 10000 h Operation 0  Operating temperature (state) 60 ° C,50 ° C © 10000 h Operation 0  Operating temperature min. (dynamic) 10 K 50 4892 (2) UL 1591 § 1100 FT2  Chemical resistance 0  Oli 159 Selection (Selection (Wire) 10 ° C Operating temperature min. (dynamic) 10 ° C Ope
Installation   Cable           wire arrangement         brown, black, blue, white           Cable institution         634           Cable in Type         3           Jacket Cotor         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         36,3 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Freedom from ingredients (jacker)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (facket)         ± 5 %           Material were invaliation         PP           Amount wires         4           Outer diameter tolerance core insulation         ± 25 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient reeness wire insulation         70 ± 5 Shore D           Ingredient reeness wire insulation         2 ± 5 %           Dameter of single wires         0,1 mm           Conductor type (wire)         5tranded copper wire, bare           Conductor type (wire) <t< td=""></t<>
wire arrangement brown, black, blue, white Cable identification 634  Cable identification 634  Jacket Color black Type of Certificate cURus Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigh 36,3 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material material packet 92 ± 5 %  Material wire stranding 1 ± 5 %  Material wire insulation PP  Amount wires 4 1.25 mm  Outer diameter (sheater) ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 70 ± 5 Shore D  Material work insulation 1 × 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0
Cable identification         634           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigh         36,3 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Advancer diameter insulation         1,25 mm           Outer diameter blerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient treeness wire insulation         10 ± 5 Shore D           Ingredient treeness wire insulation         42           Diameter of single wires         0,1 mm           Conductor crossacction (wire)         0,34 mm²           Material work of wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare
Cable Type         3           Jacket Color         black           Type of Certificate         cURIus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         36,3 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Shore hardness jacket         4,5 mm           Tolerance outer diameter (jacket)         4,5 mm           Tolerance outer diameter (jacket)         4,5 mm           Tolerance outer diameter (jacket)         2,5 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter folerance core insulation         1,5 %           Shore hardness wire insulation         1,25 mm           Outer diameter folerance core insulation         1,25 mm           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 (yye (wire)         stranded capacity min, wire         4,8 A           Electrical res
Jacket Color         black           Type of Certificate         CURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         36.3 g/m           Material jacket         PUR           Shore hardness jacket         90.5 Shore A           Freedom from ingredients (jacket)         4.5 mm           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (seleath)         1.5 %           Material wire insulation         PP           Anount wires         4           Outer diameter Insulation         1.25 mm           Outer diameter Insulation         1.25 mm           Outer diameter Insulation         1.25 mm           Outer diameter Insulation         2.5 %           Shore hardness wire insulation         70.5 Shore D           Ingredient freeness wire insulation         1.24 mm           Ingredient freeness wire insulation         1.24 mm           Ingredient freeness wire insulation         1.24 mm²           Ingredient freeness wire insulation         1.24 mm²           Ingredient freeness wire insulation         1.25 mm           Ingredient freeness wire insulation
Type of Certificate         CURsus           Amount Standing         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         36.3 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         ± 5 %           Material wire insulation         PP           Around wires         4           Outer diameter insulation         1,25 mm           Outer diameter folerance core insulation         1,25 mm           Outer diameter folerance core insulation         1,25 mm           Outer diameter folerance swire insulation         1,25 mm           Outer diameter folerance core insulation         1,25 mm           Outer diameter folerance swire insulation         1,25 mm           Outer diameter folerance swire insulation         1,25 mm           Outer diameter (solerance core insulation)         4.2           Ingredient freeness wire insulation         10 ± 5 %           Shore a D         4.2           Diameter of single wires         0,1 mm           Conductor tyre (wire)
Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 36,3 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter lolerance core insulation 1,25 mm Outer diameter lolerance core insulation 2,5 5 Shore D Ingredient freeness wire insulation 70 ± 5 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 (standard) to DIN VDE 0298-4 Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Operating temperature (static) -40 °C Operating temperature (static) -40 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -10 NIN EN 150 4892-2 A Elime resistance UL 1581 § 1900 IEG 60332-2-2   UL 1581 § 1100 FT2 chemical resistance  UV resistance  UL 1581 § 1900 IEG 60332-2-2   UL 1581 § 1100 FT2 chemical resistance
Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 36.3 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1 ad-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 Electrical resistance line constant wire 4,8 A Electrical resistande line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Operating temperature (static) -40 °C Operating temperature (static) -40 °C Operating temperature wini. (dynamic) -25 °C Operating temperature max. (dynamic) -80 °C @ 10000 h Operation UV resistance UI LSSI § 1000 IEEE G0332-2-2   UL 1581 § 1100 FT2 chemical resistance UI LSSI § 1000 IEEE G0332-2-2   UL 1581 § 1100 FT2 chemical resistance
wire arrangement         brown, black, blue, white           Cable weigth         36,3 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter rolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 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         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)
Cable weight Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation Ingredient freeness wire insulation 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 IDIN VDE 0298-4 Current load capacity (standard) to IDIN VDE 0298-4 Current load capacity min. wire 4,8 A Cwithstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) jacket) Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature min. (dynamic) 0 25 °C Operating temperature min. (dynamic) UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 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 (wire - wire)         2,5 kV @ 60 s           Electrical resistance inconstant wire         57 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s <t< td=""></t<>
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 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 orsessection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           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 creacity win. wire         4,8 A           Electrical resistance line constant wire         57 KV @ 60 s
Freedom from ingredients (jacket) Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheth) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation Outer diameter insulation Tolerance core insulation Outer diameter insulation Tolerance wire insulation Outer diameter insulation Outer diameter insulation Tolerance core insulation Tolerance wire insulation Outer diameter of single wire Outer diameter of single wires Outer of single wire outer outer of single wire outer outer of single wire outer out
Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         16 ± 5 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         57 O/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 (fixed)         80 °C / 90 °C @ 10000 h Operation
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation 70 ± 5 %  Shore hardness wire insulation 70 ± 5 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 (standard) to DIN VDE 0298-4  Current load capacity (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) 2-25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flame resistance Good, application-related testing
Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Origodient freeness wire insulation 1,25 mm Ingredient freeness wire insulation 1,25 mm Outer diameter of single wires 0,1 mm  Conductor 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 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - acket) 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 UL 1581 § 1999   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  UL 1581 § 1999   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance
Amount wires       4         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 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       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2.5 kV @ 60 s         Power frequency withstand voltage (wire - aiacket)       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)       -25 °C         Operating temperature max. (dynamic)       -25 °C         Operating temperature max.
Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  5 %  Shore hardness wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  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)  Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity (standard)  Current load capacity (standard)  Current load capacity (wire - wire)  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  Good, application-related testing
Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 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       57 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)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing
Shore hardness wire insulation  70 ± 5 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)  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  57 \( \Omega \text{lkW}  \text{ \te
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 min. wire 4,8 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) 480 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing
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 57 Ω/km @ 20 °C  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 max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flame resistance Good, application-related testing
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  57 Ω/km @ 20 °C  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 max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  Good, application-related testing
Conductor crosssection (wire)  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  57 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  Good, application-related testing
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       57 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         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing
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       57 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         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         Chemical resistance       Good, application-related testing
Nominal voltage AC max.  Current load capacity (standard)  Current load capacity min. wire  4,8 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  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  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,8 A         Electrical resistance line constant wire       57 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         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing
Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 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  UV resistance DIN EN ISO 4892-2 A  Flame resistance Good, application-related testing
Electrical resistance line constant wire 57 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  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing
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)  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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature
jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  B0 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing
UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing
Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing
chemical resistance Good, application-related testing
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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) 10 m @ 25 °C   horizontal
Travel speed (C-track) 3 m/s @ 25 °C
No. of torsion cycles 2 Mio.
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Torsion stress ± 180 °/m