

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

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

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.

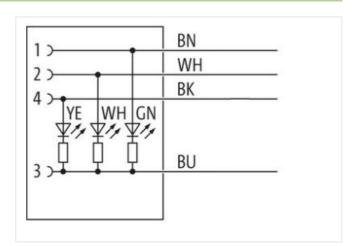
The resistance to aggressive media should be individually tested for your application. Further details on request.

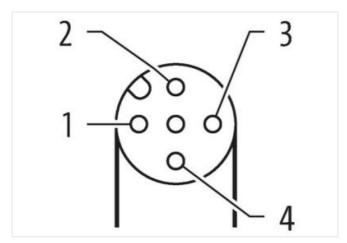
Further cable lengths on request.

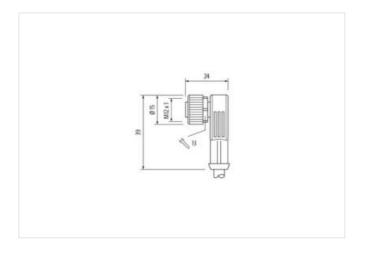
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

4 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: 2024-05-04



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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	4048879590983
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	
p	
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 I
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)           Instalation   Cable           Cable identification         034           Cable Type         3           Jacket Color         yellow           Type of Certificate         cURsus           Amount standing         1           Stranding         4 wires lwisted           wire arrangement         brown, black, blue, white           Traversing distance (C-track)         10 m 625 °C [houzetal]           Cable weighth         96.3 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         10 m 625 °C [houzetal]           Cutter-diameter (jacket)         4,5 mm           Outler-diameter (jacket)         4,5 mm           Outler diameter (material conduct)         1.5 %           Material wire insulation         1.25 mm           Outler diameter insulation         1.5 mm           Uniter diameter insulation         1.5 %           Shore hardness wire insulation         7.0 ± 5 Shore D           Ingredient freeness wire insulation         1.5 %           Diameter of single wire         1.0 mm           Outler diameter (wire)         3.0 4 mm² <t< th=""><th>Conformity</th><th></th></t<>	Conformity	
Cable Institution   Cable         Og4           Cable In Type         3           Jackel Color         yellow           Type of Certificate         cURUs           Amount standing         1           Stranding         4 wires twisted           Wind a grangement         brown, black, blue, white           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weight         36.3 g/m           Markerial jacket         PUR           Shore A Amounts standiness jacket         9 m 5 Shore A           Feedown from ingedients (jacket)         1 early 5 %           Outer diameter (jacket)         4,5 mm           Tolerance outer diameter (jacket)         4,5 mm           Tolerance outer diameter (jacket)         4,5 mm           Collered (jacket)         1,5 mm           Collered (jacket)         1,5 mm           Collered (jacket)         1,5 mm           Collered (jacket)         1,7 mm           Collered (jacket)         1,7 mm           Cole		DIN EN 61076-2-101 (M12)
Cable Identification         034           Cable Type         3           Jacked Color         yellow           Type of Certificate         CURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Traversing distance (C-track)         10 m @ 25 *Cl horizontal           Cable weigth         36.3 g/m           Malterial jacked         PUR           Shore hardross jacked         90.5 Shore A           Freedom from ingredients (jacked)         10 m @ 25 *Cl horizontal           Cuber-diameter (jacked)         4.5 fmm           Tolerance outer diameter (jacked)         4.5 fmm           Tolerance outer diameter insulation         1.25 fmm           Outer diameter traleance core insulation         1.25 fmm           Outer diameter traleance core insulation         70 ± 5 Shore D           Ingredient (seving)         42           Diameter of single wires         0,1 mm           Conductor (repe wire)         42           Diameter of single wires         0,1 mm           Conductor (rep wire)         3.5 mm           Conductor (rep wire)         3.5 mm           Conductor (rep wire)         4.5 mm <td></td> <td>511 Live 1010 L 101 (11112)</td>		511 Live 1010 L 101 (11112)
Cable Type		
Jacket Color		
Type of Certificate cUPsus Amount standing 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Traversing distance (C-track) 10 m @ 25° (Indizontal Cable weight 36,3 g/m Material jacket PUR Shore hardness jacket PUR Froedom from ingradients ((acket) lead free, cadmium-free, CFC-free, halogen-free, silicone-free Cuter-diameter (jacket) 4,5 mm Allerial jacket PUR Toferance outer diameter (facket) 4,5 mm Toferance outer diameter (facket) 25 % Material wire insulation PPF Amount wires 4 Amount wires 4 Amount strands (wire) 1,25 mm Cuter diameter insulation 1,25 mm Cuter diameter toferance core insulation 1,25 mm Cuter diameter diameter (wire) 4,2 mm Cuter diameter diameter (wire) 1,25 mm Conductor croassection (wire) 2,3 mm Material conductor wire 2,5 mm Conductor transacction (wire) 3,4 mm² Material conductor wire 2,5 mm Conductor transacction (wire) 3,5 mm² Material conductor wire 2,5 mm² Conductor transacction (wire) 3,5 mm² Conductor transacction (wire) 4,8 A Elicitical resistance line constant wire 4,8 A Elicitical resistance line constant wire 5,7 km² @ 5,0 km²		3
Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cablo weight         36,3 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacked)         lead free, cadmium-free, CFC free, halogen-free, sillicone-free           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (jacket)         4,5 mm           Material wire insulation         PP           Amount wires         4           Amount wire insulation         PP           Amount wires         4           Shore bardness 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         12 Emm           Conductor yet skind conductor wire         42           Conductor yet skind conductor wire         10,1 mm           Conductor yet skind conductor wire         5 Iranded copper wire, bare           Conductor yet skind conductor wire         5 Iranded copper wire, bare		
Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Traversing distance (C+track)         10 m 25 % c) horizontal           Cable weigh         93.3 g/m           Material jacket         90 ± 5 8hore A           Finedom from ingredients (jacket)         90 ± 5 8hore A           Cuter-diameter (jacket)         4,5 mm           Tolerando outer diameter (jacket)         4,5 mm           Outer-diameter (jacket)         4,5 mm           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter tolerance ocre insulation         1,5 % mm           Shore hardness wire insulation         70 ± 5 8hore D           Ingredient freeness wire insulation         4           Ingredient freeness wire insulation         42 Diameter of single wires           Onductor 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 D IN VDE 0289-4           Curren		
wire arrangement brown, black, blue, white Traversing distance (C-track) 10 m @ 25 °C (Photzontal  2		
Traversing distance (C-track)         10 m @ 25 °C   horizontal           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           Auter diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Ingredient freeness wire insulation         1,0 mm           Ingredient freeness wire insulation         1,0 mm           Ingredient freeness wire insulation         1,0 mm           Conductor or disrigle wires         0,1 mm           Conductor recessed virial wires         5 family mm²           Marerial conductor wire         Stranded copper wire, bare           Conductor type (wire)         3,4 mm²           Mominator Vo	Stranding	
Cable weigth         36,3 g/m           Material jacket         PUR           Amount specients (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           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         7.0 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Outer diameter following wires         0,1 mm           Conductor (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6		
Material Jacket         PUR           Shore hardness Jacket         90 ± S 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)         2 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         70 ± 5 Shore D           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 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 m           Electrical resistance line constant wire         57 CMm @ 20 °C           AC withstand vol		
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4.5 mm           Outer-dameter (jacket)         ± 5 %           Material wire insulation         PP           Amount wires         4           Cuter diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           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 withstand voltage (wire - wire)         2,5 kV @ 60 s           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 - sicket)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (fixed)		<del>-</del>
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           Anount wires         4           Outer diameter lolerance core insulation         1,25 mm           Outer diameter folerance core 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 crosssection (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 2094-4           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 - wire)         2,5 kV @ 60 s           Power freque	Material jacket	PUR
Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter Insulation         ± 5 mm           Outer diameter tolerance core insulation         ± 5 mm           Outer diameter tolerance core insulation         ± 5 Shore D           Ingredient freeness wire insulation         tead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor or single wires         0,1 mm           Conductor (wire)         30 4 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 Okim @ 20 °C           AC 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 temperatur	<u> </u>	
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         ± 5 %           Shore hardness wire 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 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 Okm @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - liackel)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature min. (dynamic)         25 °C           Operati		lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter folerance core insulation         ± 5 %           Shore hardness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadminum-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded capse           Mominal 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 0/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - yie/sacket)         2,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Clamp temperature min. (dynamic)         25 °C           Operating temperature min. (dynamic)         25 °C           Flame resistance         Elec 60332-22   UL 1581 § 1090		
Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter core insulation         2 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 (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 capacity (standard)         to DIN VDE 0298-4           Current load capacity (strandard)         to DIN VDE 0298-4           Gurrent load capacity (strandard)         to DIN VDE 0298-4           Gurrent load capacity (strandard)		
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 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - sire)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Operating temperature (mix. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         ICG 60332-22   IUL 1581 § 1909   IUL 1581 § 1100 FT2           <	Material wire insulation	
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 - isacket)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature (min. (dynamic)         25 °C           Operating temperature (min. (dynamic)         25 °C           Operating temperature min. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         IEC 60332-2-2   UI - 1581 § 1090   UI - 1581 § 1100 FT2 </td <td></td> <td></td>		
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 - iacket)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - 2 iacket)         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         IEC 60322-22   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance	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 min. wire         4,8 A           Electrical resistance line constant wire         57 Okm @ 20 °C           CA 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)         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           Flame resistance         IEC 60332-2-2   UL 1581 § 1909   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good	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 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 - iz) (sket)         2.5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           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         IEC 60332-2-2   U. 1 1581 § 1090   U. 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) <td< td=""><td>Shore hardness wire insulation</td><td>70 ± 5 Shore D</td></td<>	Shore hardness wire insulation	70 ± 5 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  57 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - iacket)  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  Flame resistance  1EC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Bending radius (fixed)  5 × Outer diameter  Travel speed (C-track)  10 Min. @ 25 °C  No. of torsion cycles  ± 180 °/m		lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)  O,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  57 C/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  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Bending radius (fixed)  5 × Cuter diameter  Flame fravies (fixed)  5 × Cuter diameter  Travel speed (C-track)  10 × Outer diameter  Travel speed (C-track)  10 × Outer diameter  Travel speed (C-track)  10 No. of torsion cycles  ± 180 °/m	Amount strands (wire)	42
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 - ipacket)         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           Fiame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gil 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           Travel speed (C-track)         10 Mio. @ 25 °C           No. of torsion cycles         2 Mio	Diameter of single wires	0,1 mm
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 - ipacket)         -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         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gil 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           Travel speed (C-track)         10 Mio. @ 25 °C           No. of torsion cycles         2 Mio.           Torsion stress         ± 180 °/m	Conductor crosssection (wire)	0,34 mm²
Nominal voltage AC max.  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 - iacket)  Alice of the standard	Material conductor wire	Stranded copper wire, bare
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           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Travel speed (C-track)         10 Mio. @ 25 °C           No. of torsion cycles         2 Mio.           Torsion stress         ± 180 °/m	Conductor type (wire)	strand class 6
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) 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 IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles ±180 °/m	Nominal voltage AC max.	300 V
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  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Current load capacity (standard)	to DIN VDE 0298-4
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 IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles ± 180 °/m	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  El 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  So °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	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)  EC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m	. ,	2,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) So °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/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         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles     2 Mio.       Torsion stress     ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
Torsion stress ± 180 °/m	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min		± 180 °/m
	Torsion speed	35 cycles/min