

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

PUR 5x0.34 shielded gy UL/CSA+drag ch. 10m

Female 90° M12, 5-pole shielded

with cable sleeves

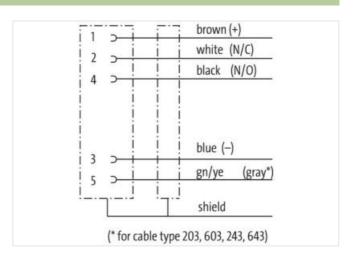
Plastic housings with good resistance against chemicals and oils.

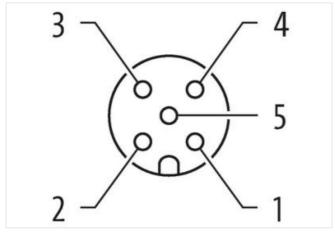
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

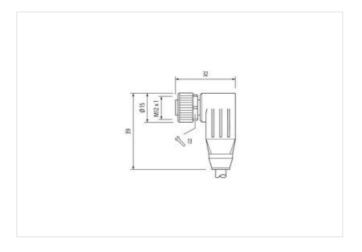
## **Link to Product**

## 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: 2024-05-03



stay connected

Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
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	4048879459297
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	



stay connected

Conformity Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 242  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 65 °C obspiring on cable quality (important installation notes of the protection of cable quality) (important installation notes) (important installation) (important inst	Environmental characteristics   Climatic	
Operating temperature max. 65 °C obspiring on cable quality (important installation notes of the protection of cable quality) (important installation notes) (important installation) (important inst	Operating temperature min.	-25 °C
Additional condition temperature range important installation notes important installation notes important installation notes in the common of	<u>'                                    </u>	
Note on tristalisation notes  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)  Installation   Cable  Cable Indentification  2 42  Cable Indentification  2 42  Cable Indentification  2 42  Cable Indentification  3 3  Lastest Color  gray  Type of Certificate  Culffus  Amount stranding  5 wice around Core filler bristed  Cable Indentify  5 yes  Wice arrangement  Traversing distance (C track)  5 m @ 25 xC   horizontal  Cable weigh  5 2 ym  Difference outer diameter (sheeth)  2 5 %  Multarral laround vires in a capacity (standard)  Conductor in your in a capacity (standard)  Conductor in your in wire  Conductor in your in		
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be enchangered by excessive bending forces.  Product standard DN IN IN 61076-2-101 (M12)  Intentialiation (Cable Cable User)  Cable Intentialiation (Cable Cable Type 3  Cable Strain (Cable Cable Cable Cable Cable Cable Type 3  Cable Intentialiation (Cable Cable		asponding on odolo quality
Attention: Observe the permissible bending radius on dangered by excessive bending forces.  Conformity  Product standard DIN EN 81076-2-101 (M12)  Installation   Cable    Cable   Type   Cable   Type   3  Lackat Color   gray   3  Lackat Color   gray Color	•	
endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076.2-101 (M12)  Installation   Cable   Cable identification   242 Cable identification   242 Cable identification   243 Cable Type   3 Jacket Color   gray   Type of Certificate   CURus   Amount stranding   1 Stranding   5 wives around Core filter twisted   Cable shielding (type)   coper braid, fined   Cable shielding (type)   coper braid, fined   Cable shielding (coverage)   80 %   Banding   Fieoce, Foll   Filter   yes   Wire airrangement   brown, black, blue, white, green-yellow   Troversing distance (C-track)   5 m @ 25 °C   Indicated   Cable weight   57.2 g/m   Material jacket   PUR   Shore hardness jacket   90 ± 5 Shore A   Freedom from ingredients (jacket)   5.8 mm   Tolerance outer diameter (sheath)   5.5 %   Material wire insulation   PP   Amount wires   5   Couter diameter insulation   70 ± 5 Shore D   Tigerodent from ingredients wire insulation   1.25 mm   Couter diameter insulation   1.25 mm   Conductor draws wire insulation   1.25 mm   Conductor draws wire insulation   1.25 mm   Conductor or ingredient insulation   1.25 mm   Conductor or insulation   1.25 mm   C	Note on strain relief	
Product standard   DIN EN 81076-2-101 (M12)	Note on bending radius	
Cable identification         242           Cable (spipe)         3           Jackot (Color         gray           Type of Certificate         CURUs           Amount stranding         1           Stranding         5 wires around Core filler twisted           Cable shiedding (type)         copper braid, linned           Cable shiedding (coverage)         80 %           Banding         Fleece, Foil           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weight         57.2 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freadom from ingredients (jacket)         5 m           Colled diameter (jacket)         5 m           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         1 ± 5 mm           Outer diameter (jacket)         5 mm           Outer diameter (sheath)         ± 5 %           Shore hardness wire insulation         1 ± 5 mm           Outer diameter (sheath)         ± 5 Shore D           Shore hardness wire insulation         1 ± 5 Shore D	Conformity	
Cable Identification         242           Cable Type         3           Laked CObr         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           Fillior         yes           Wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         5 m @ 25 °C londown           Cable weight         57.2 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freadom from ingredients (jacket)         5.6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         70 ± 5 Shore D           Unter diameter folerance core insulation         1.25 mm           Outer diameter folerance core insulation         1.25 mm           Outer diameter obligance wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation	Product standard	DIN EN 61076-2-101 (M12)
Cable Type         3           Jackot Color         gray           Jackot Color         gray           Yep of Certificate         URUs           Amount stranding         1           Stranding         5 wires around Core filler twisted           Cable shielding (coverage)         80 %           Banding         Fleece, Foll           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weight         57.2 ½m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Froedom from ingredients (jacket)         90 ± 5 Shore A           Outer-dismeter (jacket)         5.6 mm           Tolerance outer dismeter (health)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter 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           Ingredient freeness wire insulation         70	Installation   Cable	
Jacket Color   gray	Cable identification	242
Type of Certificate	Cable Type	3
Amount stranding 1   Swires around Core filler twisted Cable shielding (type)   copper braid, tinned Cable shielding (coverage) 80 % Banding   Fleece, Foil Filler   yes wire arrangement   brown, black, blue, white, green-yellow Traversing distance (C-track)   5 m @ 25 °C   horizontal Cable weight   57.2 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 Amount wires   5 Outer diameter insulation   1,25 mm Outer diameter or insulation   1,25 mm Outer of or insulation   1,2	Jacket Color	gray
Amount stranding 1   Swires around Core filler twisted Cable shielding (type)   copper braid, tinned Cable shielding (coverage) 80 % Banding   Fleece, Foil Filler   yes wire arrangement   brown, black, blue, white, green-yellow Traversing distance (C-track)   5 m @ 25 °C   horizontal Cable weight   57.2 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 Amount wires   5 Outer diameter insulation   1,25 mm Outer diameter or insulation   1,25 mm Outer of or insulation   1,2	Type of Certificate	
Stranding         5 wires around Core filler twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weigth         57,2 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)         5,6 mm           Tolerance outer diameter (seatth)         ± 5 %           Material wire insulation         1,25 mm           Outer diameter insulation         1,25 mm           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         12 m           Parameter folerance core insulation         10 m           Shore hardness wire insulation         10 m           Ingredient freeness wire insulation         10 m           Digmeter of slippe wires         0,1 mm	Amount stranding	
Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weight         57,2 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)         5,6 mm           Tolerance outer diameter (jacket)         5 mm           Outer diameter (jacket)         5 mm           Outer diameter (jacket)         1,25 mm           Outer diameter (jacket)         1,00 mm	Stranding	5 wires around Core filler twisted
Cable shielding (coverage)         80 %           Banding         Fleece, Foil           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weigth         57.2 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)         5,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Arnount wires         5           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         16ad-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount stranks (wire)         42           Diameter of single wires         0,1 mm           Conductor cross-section (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V	<u> </u>	
Fleece, Foil		
### Autor   Shore   Autor   ### Autor		Fleece, Foil
brown, black, blue, white, green-yellow  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Cable weigth  57.2 g/m  Material jacket  PUR  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  Duter-diameter (jacket)  5.6 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  1.25 mm  Duter diameter rolerance core insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  Presserving wire insulation  1 and ingredient freeness wire insulation  Presserving 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)  42  Diameter of single wires  0,1 mm  Conductor orosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity (standard)  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  57 \( \Omega \text{Nm} \omega \text{00}	Filler	ves
Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weigth         57,2 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore bardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         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           Conductor (signe) AC max.         300 V           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °	wire arrangement	,
Cable weigth         57,2 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)         5,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Out	<u> </u>	
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)         5,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter tolerance 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 capse (sas 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 voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire wire)         2 kV @ 60 s     <		
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter tolerance core 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 orsssection (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 win. wire         4,5 A           Electrical resistance line constant wire         57 N/m @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s </td <td><u> </u></td> <td><del>-</del></td>	<u> </u>	<del>-</del>
Freedom from ingredients (jacket)  Outer-diameter (jacket)  5,6 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  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  Ingredient freeness wire insulation  Amount strands (wire)  42  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  Outer diameter of single wires  0,1 mm  Conductor crosssection (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  4,5 A  Electrical resistance line constant wire  2 kV @ 60 s  Power frequency withstand voltage (wire - wire)  2 kV @ 60 s  AC withstand voltage (wire - shield)  Ac C C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C		90 ± 5 Shore A
Outer-diameter (jacket)         5,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           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 (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s		lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1ead-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 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - shield) 2 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		
Material wire insulation       PP         Amount wires       5         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       4,5 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - sield)       2 kV @ 60 s         AC withstand voltage (wire - shield)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (min. (dynamic)       -25 °C		·
Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation T0 ± 5 Shore D Ingredient freeness wire insulation Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires O,1 mm 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 min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) -25 °C		
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 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature min. (dynamic) -25 °C	Amount wires	5
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 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature min. (dynamic) -25 °C	Outer diameter insulation	1.25 mm
Shore hardness wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire)  42  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  0,34 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - aiacket)  AC withstand voltage (wire - shield)  2 kV @ 60 s  Min. operating temperature (static)  -40 °C  Max. operating temperature min. (dynamic)  -25 °C		· · · · · · · · · · · · · · · · · · ·
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 4,5 A Electrical resistance line constant wire 57 \( \Omega \text{VM m} \equiv 20 \circ C  AC withstand voltage (wire - wire) 2 kV \( \equiv 60 \text{ s}  AC withstand voltage (wire - shield) 2 kV \( \equiv 60 \text{ s}  Min. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) -25 °C		
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 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - lacket) AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) -25 °C		
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 4,5 A  Electrical resistance line constant wire 57 \( \Omega / \text{km} \) @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - giacket)  AC withstand voltage (wire - shield) 2 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		
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)  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - 2 kV @ 60 s  AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  2 kV @ 60 s  Min. operating temperature (static)  AC or (790 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C	<u> </u>	
Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  57 \( \Omega \text{/km} \) \( \omega \text{0} \) \( \omega \text{C} \)  AC withstand voltage (wire - wire)  2 kV \( \omega \text{60 s} \)  Power frequency withstand voltage (wire - shield)  2 kV \( \omega \text{60 s} \)  AC withstand voltage (wire - shield)  2 kV \( \omega \text{60 s} \)  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C \( \omega \text{10000 h Operation} \)  Operating temperature min. (dynamic)  -25 °C		•
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 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - aiacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 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	· ,	· · · · · · · · · · · · · · · · · · ·
Nominal voltage AC max.  300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 57 \( \Omega / \text{km} \end{aligned} \) 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - aligned) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 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		
Current load capacity (standard)  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  57 \( \Omega \text{/km} \empsyreap 20 \circ C  AC withstand voltage (wire - wire)  2 kV \( \empsireap 60 \text{ s}  Power frequency withstand voltage (wire - alacket)  2 kV \( \empsireap 60 \text{ s}  AC withstand voltage (wire - shield)  2 kV \( \empsireap 60 \text{ s}  AC withstand voltage (wire - shield)  2 kV \( \empsireap 60 \text{ s}  AC withstand voltage (wire - shield)  2 kV \( \empsireap 60 \text{ s}  AC withstand voltage (wire - shield)  3 kV \( \empsireap 60 \text{ s}  40 \( \circ C  Max. operating temperature (fixed)  80 \( \circ C / 90 \circ C \text{ a 10000 h Operation}  Operating temperature min. (dynamic)  -25 \( \circ C  -25 \circ C		
Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 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		
Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 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		
AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - iacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 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		•
Power frequency withstand voltage (wire - 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 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		
AC withstand voltage (wire - shield)  2 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	Power frequency withstand voltage (wire -	
Min. operating temperature (static)  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C	· · · · ·	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C		
Operating temperature min. (dynamic) -25 °C		



Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   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 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min