

## M12 male 0° A-cod. / MSUD valve plug A-18mm

PUR 5x0.34 ye UL/CSA+drag ch. 6m

Form A (18 mm) – M12, male straight 24 V DC ±25% LED (red/green) for pressure switches

Further cable lengths on request.

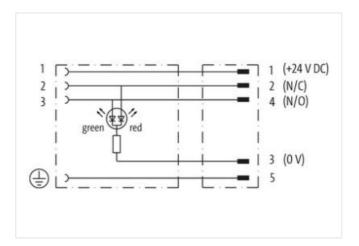
Plastic housings with good resistance against chemicals and oils.

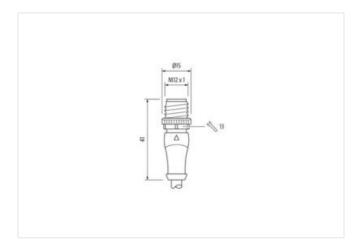
The resistance to aggressive media should be individually tested for your application. Further details on request.

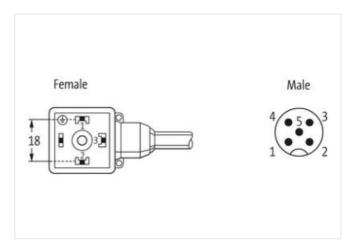
## **Link to Product**

## Illustration



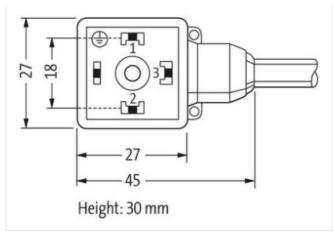








stay connected



Product may differ from Image









Cable length	6 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD
Thread	M3
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879150880
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3

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: 2024-05-09



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Methorial data   Mounting data  Mounting method inserted, screwed  Fourionmental characteristics   Climatic Operating temperature max. 85 °G Operating temperature max. 85 °G Additional condition temperature range depending on eable quality  Important installation notes  Mote on strain riself Note on bending radius  Administration of the professional prof	Rated surge voltage	0,8 kV
Material housing Mechanical data   Mounting data   Mounting mattho   inserted, screwed	Mechanical data   Material data	
Mounting method inserted, screwed  Fundamental characteristics   Climate  Operating temperature min.	Color housing	black
Environmental characteristics   climatic  Deparating temperature max. 85 °C  Operating temperature max. 85 °C  Additional condition temperature may. 485 °C  More on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Admitional forms and the particular process of the permissible bending radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging relief to the protection described by excessive bending radii when laying cables, as the IP protection class can be ontaging protection.  Cable forms the standard District of the protection of the protect	Material housing	Plastic
Environmental characteristics   climatic  Deparating temperature max. 85 °C  Operating temperature max. 85 °C  Additional condition temperature may. 485 °C  More on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Admitional forms and the particular process of the permissible bending radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging radii when laying cables, as the IP protection class can be ontaging relief to the protection described by excessive bending radii when laying cables, as the IP protection class can be ontaging protection.  Cable forms the standard District of the protection of the protect	Mechanical data   Mounting data	
Environmental characteristics   Climatic Operating inemperature min25 °C Operating inemperature max85 °C Acditional condition temperature range depending on cable quality Important installation notes   Important installation notes   Note on berding radiu   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.   Attention: Observe the permissable benefing radii when laying cables, as the IP protection class can be entirely entirely and cables destinated   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.   Attention: Observe the permissable benefing radii when laying cables, as the IP protection class can be entirely entirely by excessive benefing forces.   Conformity   Product standard   DIN EN 61076 2-101 (M12): DIN EN 175301-803 (Ventilatocker)   Installation   Cable   Cable dentification   O35   Cable 1796   O34	•	incomed assessed
Operating temperature min. 25 °C Operating temperature max. 86 °C Additional condition temperature reg depending on cable quality  Important installation notes  Note on Strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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); DIN EN 175301-803 (Ventilstecker)  Installation   Cable Cable indentification G35 Cable indentification G45 Cable indentification G4		inserted, screwed
Sperating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. 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): DIN EN 175301-803 (Ventilatecker) Installation   Cable Cable identification 035 Cable Type 3 Salactal Color yellow Type of Certificate cURus Amount stranding 1 Swee around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green yellow Traversing distance (C-track) 10 mg a25 °C; horizontal Cable weigh 41,8 g/m Material picket PUR Material picket PUR Tolerance outer dameter (sheath) 5 Shore A Freedom from ingredients (gabati) 5 Shore A Freedom from ingredients (gabati) 5 Shore A Shore hardness jacket 9 S 5 Shore A Touter diameter (sheath) 5 Shore D Ingredient from session insulation 79 £ Shore D Ingredient from sess wire insulation 79 £ Shore D Ingredient from sess wire insulation 79 £ Shore D Ingredient from sess wire insulation 79 £ Shore D Ingredient from sess wire insulation 1,25 mm Outer diameter (sheath) 5 Shore A Ingredient from sess wire insulation 79 £ Shore D Ingredient from sess wire insulation 1,25 mm Outer diameter for diameter (sheath) 5 Shore D Ingredient from sess wire insulation 1,25 mm Outer diameter for diameter (sheath) 5 Shore D Ingredient from sess wire insulation 1,25 mm Outer diameter (sheath) 5 Shore D Ingredient from sess wire insulation 1,25 mm Outer diameter for diameter (sheath) 5 Shore D Ingredient from sess wire insulation 1,25 mm Outer diameter for diameter (sheath) 5 Shore D Ingredient from sess wire insulation 1,25 mm Outer diameter for diameter (sheath) 5 Shore D Ingredient from sess wire insulation 1,25 mm Outer diameter for diameter (sheath) 5 Shore D Ingredient from sess wire insulation 1,25 mm Outer diameter f	Environmental characteristics   Climatic	
Important installation notes	Operating temperature min.	-25 °C
Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities.           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); DIN EN 175301-803 (Ventilistecker)           Product Standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilistecker)           Installation (Cable)         Cable identification           Cable (Spr)         3           Jackset Color         yellow           Type of Certificate         UPRus           Amount stranding         1           Stranding         5 wires around Core fillion twisted           Filter         yes           wire arrangement         brown, black, blue, white, green yellow           Traversing distance (C-track)         10 mg 25 °C [horizontal]           Cable weight         41,8 g/m           Malerial jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         1,8 g/m           Malerial wive insulation         1,25 mm           Outer diameter (stacket)         4,8 mm           Malerial wive insulation         70 ± 5 Shore D <td>Operating temperature max.</td> <td></td>	Operating temperature max.	
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 radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilistecker)  Installation   Cable    Cable identification   Cable    Stranding   Swires around Core filler twisted    Filler   Wes    Wire arrangement   Drown, black, blue, white, green-yellow    Traversing distance (C-track)   10 m @ 25 °C   horizontal    Cable weight   41.8 g/m    Material jacket   PUR    Shore hardness jacket   PUR    Shore hardness jacket   PUR    Cable identification   Cable identification    Cable identificat	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endanged by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12): DIN EN 175301-803 (Ventilstecker)  Installation   Cable  Cable identification 035 Cable Type 3 3 Jacket Color yellow Type of Certificate cUFRus Amount stranding 1 Stranding 5 wires around Core filler twisled Filler yellow Traversing distance (C-track) 10 m @ 25 °C   Inorizontal Cable weight Material syrie including 1 Store distance (C-track) 10 m @ 25 °C   Inorizontal Cable weight Alamont of the Captach of	Important installation notes	
endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  Installation   Cable  Cable identification  035  Cable Type  3  3  Alceket Color  Yellow Type of Certificate  CURUs  Amount stranding  1  Stranding  5 wires around Core filler twisted  Filler  yes  wire arrangement  brown, black, blue, white, green-yellow  Traversing distance (C-track)  10 m @ 25 °C   horizontal  Cable weigh  41.8 g/m  Material jacket  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Outer diameter (sheath)  4.8 mm  Tolerance outer diameter (sheath)  Duter diameter tolerance core insulation  PP  Amount wires  5  Outer diameter tolerance core insulation  1,25 mm  Outer diameter tolerance core insulation  1,25 mm  Outer diameter tolerance core insulation  Po 1 ± 5 Shore D  Ingredient freeness wire insulation  1,25 mm  Conductor crosssection (wire)  42  Diameter of single wires  0,1 mm  Conductor rowssection (wire)  Material oviror  Stranded copper wire, bare  Conductor type (wire)  Nominal voltage AC max.  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  57 Okm @ 20 °C  Column (operating temperature (static))  40 °C  Wire Column (static)  40 °C  Wire Column (static)  40 °C	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard   DIN EN 61078-2-101 (M12); DIN EN 175301-803 (Ventilistecker)	Note on bending radius	
Installation   Cable           Cable identification         035           Cable Type         3           Jacket Cobor         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         10 m @ 25 °C  horizontal           Cable weight         41.8 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)         4,8 mm           Tolerance outer diameter (speath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter (berance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Outer diameter oblerance core insulation         1,25 mm           Use of single wire         1,25 mm           Outer diameter foless were	Conformity	
Installation   Cable           Cable identification         035           Cable Type         3           Jacket Cobor         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         10 m @ 25 °C  horizontal           Cable weight         41.8 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)         4,8 mm           Tolerance outer diameter (speath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter (berance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Outer diameter oblerance core insulation         1,25 mm           Use of single wire         1,25 mm           Outer diameter foless were	•	DIN FN 61076-2-101 (M12): DIN FN 175301-803 (Ventilstecker)
Cable identification         035           Cable Type         3           Jacket Color         yellow           Type of Certificate         CURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weigth         41.8 g/m           Material jacket         PUR           Shore Andress jacket         90 ± 5 Shore A           Feedom from ingredients (jacket)         4.8 mm           Outer-diameter (jacket)         4.8 mm           Tolerance outer diameter (shealth)         ± 5 %           Material wire insulation         1,25 mm           Outer diameter (sinsulation         1,25 mm           Outer diameter insulation         1,25 mm           Impredient freeness wire insulation         1,0 mm		2 2 3 2 To (10.12), 511 211 17 300 (10.1111010000)
Cable Type         3           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           yes         wire arrangement           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weigth         41.8 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)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore bardness wire insulation         1,25 mm           Ingredient freeness wire insulation         ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D <td>·</td> <td></td>	·	
Jacket Color         yeillow           Type of Certificate         cURus           Amount strading         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weigh         41.8 g/m           Material jacket         PUR           Shore pardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Amount strands (wire)         4 2 Shore D           Ingredient freeness wire insulation         1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         4 2           Diameter of single wires         0,1 mm           Conductor type (wire)	Cable identification	***
Type of Certificate	Cable Type	
Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weigth         41.8 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)         4,8 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         1ad-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor type (wire)         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Current load capacity (standard)		,
Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weight 41.8 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) 4.8 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 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  Material wires 0,1 mm  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity min. wire 4.5 A  Electrical resistance line constant wire 57 \( \Omega \text{Wire} \) @ 0.5 eV  Bower frequency withstand voltage (wire - wire) 2.5 kV @ 60 s  Min. operating temperature (static) -40 °C	••	
wire arrangement brown, black, blue, white, green-yellow Traversing distance (C-track) 10 m @ 25 °C   horizontal Cable weigth 41.8 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) 4.8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 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 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) strande class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 4,5 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 - sizek) - 40 °C Min. operating temperature (static) - 40 °C		
brown, black, blue, white, green-yellow Traversing distance (C-track)  10 m @ 25 °C   horizontal  Cable weigth  41.8 g/m  Material jacket  PUR  Shore hardness jacket  Pus et addition of the streen of the streen of single wires  Outer-diameter (jacket)  4,8 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  70 ± 5 Shore D  Ingredient freeness wire insulation  Ingredient freeness wire insulation  42  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Stranded copper wire, bare  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 (standard)  Current load capacity min. wire  4,5 AC  Electrical resistance line constant wire  57 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - ipacket)  Min. operating temperature (static)  40 °C  Min. operating temperature (static)  410 °C		5 wires around Core filler twisted
Traversing distance (C-track)  10 m @ 25 °C   horizontal  Cable weigth  41,8 g/m  Material jacket  PUR  Shore hardness jacket  Pus   ead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  4,8 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  70 ± 5 Shore D  Ingredient freeness wire insulation  10 tenders wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  10 tender of single wires  0,1 mm  Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Stranded copper wire, bare  Conductor rosssection (wire)  Material conductor wire  Stranded copper wire, bare  Stranded capacity (standard)  Current load capacity (standard)  Current load capacity (standard)  Current load capacity (standard)  Current load capacity (wire - wire)  Power frequency withstand voltage (wire - wire)  Power frequency withstand voltage (wire - wire)  Push Alone (view)  Alone (view)  2,5 kV @ 60 s  Min. operating temperature (static)  40 °C	Filler	•
Cable weigth     41,8 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)     4,8 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 (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - wire)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C	wire arrangement	
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) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter blorance 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 type (wire) stranded capper 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) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - lacket)  Min. operating temperature (static) -40 °C		
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,8 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 min. wire 4,5 A  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		<u>-</u>
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,8 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 Nore hardness wire insulation  170 ± 5 Shore D  Ingredient freeness wire insulation  Ingredient freeness w	Material jacket	PUR
Outer-diameter (jacket)         4,8 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 min. wire         4,5 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           Min. operating temperature (static)         -40 °C	Shore hardness jacket	
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 min. wire 4,5 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 - giacket)  Min. operating temperature (static) -40 °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) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) -40 °C		4,8 mm
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 77 \( \Omega / \text{km} \text{ @ 20 °C} \) AC withstand voltage (wire - wire) 2,5 kV \( \text{ @ 60 s} \) Power frequency withstand voltage (wire - jacket) -40 °C	Tolerance outer diameter (sheath)	± 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) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - iacket)  Min. operating temperature (static) -40 °C	Material wire insulation	PP
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)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - iacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C	Amount wires	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 \( \Omega\) 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	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 4,5 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  Min. operating temperature (static) -40 °C	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 4,5 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	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires  O,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)  Current load capacity min. wire  4,5 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	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)  Material conductor wire  Conductor type (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)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  -40 °C	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  4,5 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	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       4,5 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	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
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) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s  Min. operating temperature (static) -40 °C	Material conductor wire	Stranded copper wire, bare
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) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s  Min. operating temperature (static) -40 °C	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,5 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	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	Current load capacity (standard)	to DIN VDE 0298-4
AC 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	Current load capacity min. wire	4,5 A
Power frequency withstand voltage (wire - 2,5 kV @ 60 s  Min. operating temperature (static) -40 °C	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)  Min. operating temperature (static)  -40 °C	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
	Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation	Min. operating temperature (static)	-40 °C
	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation



Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   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
Torsion speed	35 cycles/min