

## M12 male 90° / M8 female 90° A-cod.

PUR 3x0.25 ye UL/CSA+robot+drag ch. 2m

Male 90° - female 90°

M12 - M8, 3-pole

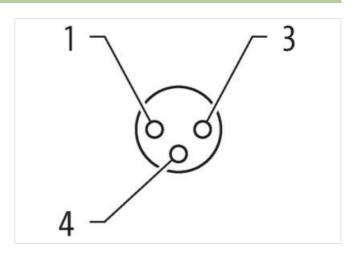
Plastic housings with good resistance against chemicals and oils.

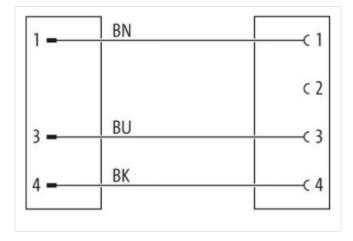
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

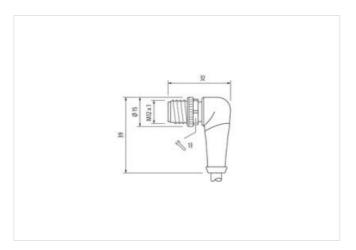
## **Link to Product**

## Illustration





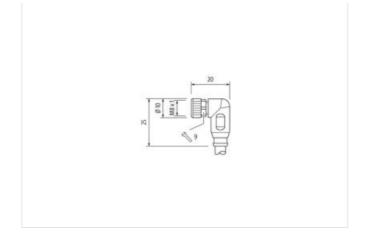






stay connected





Product may differ from Image











Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	27061801
customs tariff number	85444290
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 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
Device protection   Electrical	
Additional condition protection degree	inserted, screwed



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Raided surpo voltage Material group (TEC 00064 1)  Mechanical data   Material data  Safe cover costed  Costing plothing Safe cover costed  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic  Coperating temperature min.  25 ° C  Operating temperature min.  25 ° C  Operating temperature min.  25 ° C  Operating temperature min.  26 ° C  Operating temperature min.  27 ° C  Operating temperature min.  28 ° C  Operating temperature min.  29 ° C  Operating temperature min.  40 ° C  Operating temp	Pollution Degree	3
Methorical data National Association (Conting Locking Coloring) (Conting Locking Coloring) (Conting Locking Coloring) (Conting Coloring) (Coloring Coloring) (Coloring Coloring) (Coloring Coloring) (Coloring Coloring) (Coloring) (C		
Nochanical data   Material data Country of Infing nickel plated Locking material Material screw connection Zinc de-casting Material screw connection Locking material Locking material Locking material Material Screw connection Locking material L		
Coating fooking safe-cover coated Coating of fitting nickel plated Coating of fitting nickel plated Coating of fitting Coating to make a coating Coating to make a coating Coating to more acting Coating Coating to more acting Coating		'
Cooling material Lodding material Lodding material Zinc die-casting Machanical data   Mounting data Mounting mathod Inserted, screwed, Shaking protection  Environmental characteristics   Climatic Coperating temperature min. 25 °C Operating temperature max. 85 °C Conditional continuemental respectation emperature max. 85 °C Conditional continuemental temperature max. 85 °C Continuemental content inserted in temperature max. 86 °C Continuemental content inserted in the content in temperature max. 86 °C Continuemental material Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Contentity  Product attandard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation   Cable Cable identification   Cable Cable Cable Cable Cable Cable Cab	Mechanical data   Material data	
Locking making    Zinc die-casting   Material screw connection   Zinc die-casting   Material screw connection   Zinc die-casting   Mounting method   Inserted, screwed, Shaking protection	Coating locking	safe-cover coated
Material screw connection  Mechanical data   Mounting data  Muching method  Inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature max.  85 °C  Additional condition temperature range  depending on cable quality  Important installation notes  Note on strain relief  Note on bending radius  Attention: Observe the permissibile bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces.  Conformity  Product is standard  DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)  Installation   Cable Cable Identification Cable (Type  5  Jacket Color Type 5  Jacket Color Type 5  Jacket Color John Stranding 1  Swins swisted  Wile a transpirement  brown, black, blue Cable weight Material jacket  PIR Shore hardness jacket Fisced micro impediants (as A)  Signal place of the dispersion of the place of th		nickel plated
Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on berding radius Product standard Din Rel 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable Cable disonlification		
Mounting method inserted, screwed. Shaking protection  Environmental characteristics   Climatic  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important Installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.  Attention: Observe the permissible bonding 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 61076-2-114 [M8]  Installation   Cable  Cable identification 69  Cable i Type 5  Cable identification 5  Cable i Type 5  Cable identification 5  Cable i Type 6   Cartificate 5  Cable i Type 9   Cartificate 5  Cable wight 6  Cable wight 6  Cable wight 6  Cable wight 7  Cable i Experiment 6  Cable wight 7  Cable wight 8  Cable wight 9  Cable wight 9	Material screw connection	Zinc die-casting
Environmental characteristics   Climatio Operating temperature min. 25 °C Additional condition temperature range depending on cable quality Important installation notes  Note on starial relief Note on thering radius Note on starial 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 ordangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation (Cable Cable identification 605 Cable Type 5 Suackel Color yellow Julied Color yellow Amount stranding 1 Stranding 3 vires twisted Wire arrangement brown, black, blue Cable weight 26-4, g/m Material jacket PLR  Stranding 64-4 g/m Material jacket 95-5 g/m Material picket 95-7 g/m Tolerance outer diameter (scheath) ± 5 °% Material wire insulation 1  Tolerance outer diameter (scheath) ± 5 °% Material wire insulation 1  Tolerance outer diameter (scheath) 1-25 °% Shore hardness were insulation 74 ± 3 Shore D Imprecient fenemes wire insulation 74 ± 3 Shore D Imprecient representative (vire) 22 Diameter of single wires 0.1 mm Conductor representative (vire) 22 Diameter of single wires 0.1 mm Conductor (vire) 0.25 mm C	Mechanical data   Mounting data	
Operating temperature min.  Set **C Operating temperature max.  Attention: Observe the permissible bearing radiu when laying cables, as the IP protection class can be endangered by secessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation Gable  Cable identification  OS0 Cable Type  5 Subset identification  OS0 Cable Type  5 Subset identification  OS0 Cable Type  5 Subset identification  OS0 Cable Hope Set Set Set Set Set Set Set Set Set Se	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief  Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities.  Attention: Ceserve 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 61076-2-114 (M8)  Installation Cable  Cable identification  Gable Type  5  Jacket Color  yellow  4  John Carling Streading  3 wires twisted  Carling Streading  3 wires twisted  Wire arrangement  Drown, black, blue  Cable weight  26,4 g/m  Material jacket  PUR  Shore hardness jacket  58 ± 3 Shore D  Freedom from ingredients (jacket)  Outer diameter (jacket)  Outer diameter insulation  PP  Amount wires  3 3  Quiter diameter (jacket)  Outer diameter insulation  PP  Amount wire insulation  PP  Amount strands (wire)  32  Diameter of single wires  On Junna  Outer diameter insulation  PP  Amount strands (wire)  32  Diameter of single wires  On Junna  Outer diameter insulation  PP  Material conductor oreseascellon (wire)  32  Diameter of single wires  On Junna  Conductor oreseascellon (wire)  Stranded copper wire, bare  Amount strands (wire)  32  Diameter of single wires  On Junna  Conductor oreseascellon (wire)  Stranded copper wire, bare  Amount strands (wire)  32  Diameter of single wires  On Junna  Conductor oreseascellon (wire)  Stranded copper wire, bare  Stranded copper wire, bare  Activated capacity (standard)  to DIN VE 0288 4  Current load capacity (standard)  52 SkV @ 60 S  Pever frequency withstand voltage (wire - wire)  2, SkV @ 60 S  Pever frequency withstand voltage (wire - wire)  2, SkV @ 60 S  Pever forceners withstand voltage (wire - wire)  2, SkV @ 60 S  Pever forceners withstand voltage (wire - wire)  2, SkV @ 60 S	Environmental characteristics   Climatic	
Additional condition temperature range lepending on cable quality leptoral installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.  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 61076-2-114 (M8)  Installation   Cable Cable Inpe 5  Sale identification O50  Cable identification Uppe 5  Salected Color yellow  Type of Certificate Culfus  Amount stranding 1  Stranding 3 wires twisted vire a sample of cable type of the cade in the color of the color in the color of the color in the color of the color	Operating temperature min.	-25 °C
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 61076-2-114 (M8)  Installation   Cable  Cable identification  O50  Cable Type  5  Succeed Color  yellow  Type of Certificate  CuRus  Amount stranding  1  Stranding  3 wires twisted  wire arrangement  brown, black, blue  Cable weight  26.4 g/m  Material jacket  PUR  Shore hardness jacket  S8 ± 3 Shore D  Freedom from ingredients (jacket)  Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  Amount wires  3  Quiter diameter insulation  1,25 mm  Outer diameter	Operating temperature max.	85 °C
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 61076-2-114 (M8)  Installation   Cable   Cable Identification	Additional condition temperature range	depending on cable quality
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 61076-2-114 (M8)  Installation   Cable   Cable identification   O50	Important installation notes	
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 61076-2-114 (M8)  Installation   Cable   Cable identification   O50	•	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable    Cable identification   O50  Cable Type   5  Jacket Color   yellow   Type of Certificate   CURus    Amount stranding   1  Stranding   3 wires twisted   Wrive arrangement   brown, black, blue    Cable weigh   26,4 gm    Material jacket   PUR    Shore hardness jacket   58 ± 3 Shore D    Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free    Outer-diameter (jacket)   4.3 mm    Tolerance outer diameter (sheath)   ± 5 %    Amount wires   3  Outer diameter insulation   1,25 mm    Outer diameter foreance core insulation   4.5 %    Shore hardness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free    Outer-diameter foreance core insulation   2.5 mm    Duter diameter foreance core insulation   1,25 mm    Outer diameter foreance core insulation   1,25 mm    Duter diameter foreance core insulation   1,25 mm    Outer diameter foreance core insulation   1,25 mm    Digmetier of single wires   0,1 mm    Conductor type (wire)   32    Diameter of single wires   0,1 mm    Conductor view   0,25 mm²    Material conductor wire   Stranded copper wire, bare    Conductor type (wire)   Stranded copper wire, bare    Conductor ye (wire)   Stranded copper wire, bare    Courrent load capacity inim, wire   4,5 A    Electrical resistance line constant wire   79 Okm   20 °C    AC withstand voltage (wire - wire)   2,5 k.V.m. 60 °c    Power frequency withstand voltage (wire - wire)   2,5 k.V.m. 60 °c    Power frequency withstand voltage (wire - wire)   2,5 k.V.m. 60 °c		, , , , , , , , , , , , , , , , , , , ,
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         050           Cable Type         5           Jacked Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter folerance core insulation         ± 5 %           Shore hardness wire insulation         7.4 ± 3 Shore D           Ingredient freeness wire insulation         7.4 ± 3 Shore D           Ingredient freeness wire insulation         1 ead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm     <	Note on bending radius	
Cable identification	Conformity	
Cable identification         050           Cable Type         5           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         56 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         7 ± ± 3 Shore D           Ingredient freeness wire insulation         3           Ungredient freeness wire insulation         7 ± ± 3 Shore D           Ingredient freeness wire insulation         2           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 m	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type         5           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter rolerance core insulation         1,25 mm           Outer diameter rolerance core insulation         1 + 3 Shore D           Ingredient freeness wire insulation         1 + 3 Shore D           Ingredient freeness wire insulation         2 + 3 Shore D           Ingredient freeness wire insulation         1 + 3 Shore D           Ingredient freeness wire insulation         1 + 3 Shore D           Ingredient freeness wire insulation         1 + 3 Shore D           Ingredient freeness wire insulation </td <td>Installation   Cable</td> <td></td>	Installation   Cable	
Variable	Cable identification	050
Type of Certificate	Cable Type	5
Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         1 ead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V <td>Jacket Color</td> <td>yellow</td>	Jacket Color	yellow
Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 26,4 g/m Material jacket PUR Shore hardness jacket 9UB Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C   horizontal 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 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kW @ 60 s Power frequency withstand voltage (wire - 25 kW @ 60 s	Type of Certificate	cURus
wire arrangement brown, black, blue Cable weigth 26,4 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter core insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wires 0,1 mm  Conductor orsessection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) 1,25 M @ 60 s  Power frequency withstand voltage (wire - vive)	Amount stranding	1
Gable weight     26,4 g/m       Material jacket     PUR       Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter oblerance core insulation     ± 5 %       Shore hardness wire insulation     74 ± 3 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     stranded copper wire, bare       Traversing distance (C-track)     5 m @ 25 °C   horizontal       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     79 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 <td>Stranding</td> <td>3 wires twisted</td>	Stranding	3 wires twisted
Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 25 kW @ 60 s  Power frequency withstand voltage (wire - 25 kW @ 60 s	wire arrangement	brown, black, blue
Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 54 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Electrical resistance line constant wire 2,5 kV @ 60 s  Power frequency withstand voltage (wire - 25 kV @ 60 s	Cable weigth	26,4 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,3 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter insulation  Outer diameter insulation  1,25 mm  Outer diameter insulation  Outer diameter insulation  Tolerance outer diameter insulation  1,25 mm  Outer diameter insulation  Outer diameter insulation  Tolerance outer diameter insulation  Tolerance outer diameter insulation  Ingredient insulation  Tolerance outer diameter insulation  Tolerance outer insulation  Tolerance ou	Material jacket	PUR
Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     74 ± 3 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       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     79 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	Shore hardness jacket	58 ± 3 Shore D
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire -	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP  Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C   horizontal 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 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire -	Outer-diameter (jacket)	4,3 mm
Amount wires  3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation Ingredient freenesses wire insulation Ingredient free, cFC-free, halogen-free, client silicone-free, client silicone-free, cadmium-free, CFC-free, halogen-free, silicone-free Ingredient freenesses wire insulation Ingredient freenesses wire insulation Ingredient freenesses wire insulation Ingredient free, cadmium-free, CFC-free, halogen-free, s	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire -	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire -	Amount wires	3
Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C   horizontal 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 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire -	Outer diameter tolerance core insulation	
Amount strands (wire)  Diameter of single wires  O,1 mm  Conductor crosssection (wire)  O,25 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Traversing distance (C-track)  S m @ 25 °C   horizontal  Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  79 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire -	Shore hardness wire insulation	74 ± 3 Shore D
Diameter of single wires  O,1 mm  Onductor crosssection (wire)  O,25 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Traversing distance (C-track)  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  79 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire -	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Traversing distance (C-track)  Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  79 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire -	Amount strands (wire)	32
Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       5 m @ 25 °C   horizontal         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       79 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - 25 kV @ 60 s	Diameter of single wires	<u> </u>
Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - 25 kV @ 60 s	Conductor crosssection (wire)	<del>`</del>
Traversing distance (C-track) 5 m @ 25 °C   horizontal  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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - 25 kV @ 60 s	Material conductor wire	
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 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - 2.5 kV @ 60 s	Conductor type (wire)	
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - 2.5 kV @ 60 s		·
Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - 2.5 kV @ 60 s		
Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - 2.5 kV @ 60 s		
AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - 2.5 kV @ 60 s		
Power frequency withstand voltage (wire -	Electrical resistance line constant wire	
		2,5 kV @ 60 s
	Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s

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: 2024-05-18



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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min