

## M12 male 0° / M12 female 90° B-cod. shielded

PUR AWG24+22 shielded vt UL/CSA+drag ch. 4.6m

Male straight – female 90° M12 – M12, 4-pole B-coded shielded

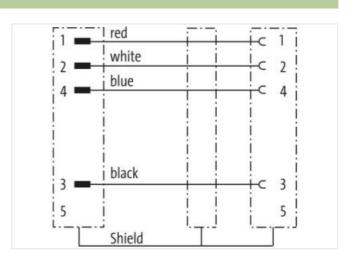
Plastic housings with good resistance against chemicals and oils.

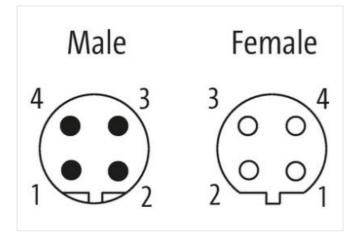
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

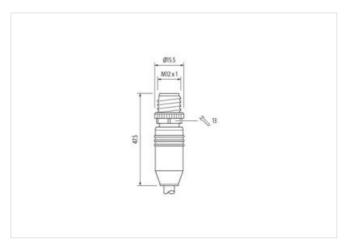
## **Link to Product**

## Illustration



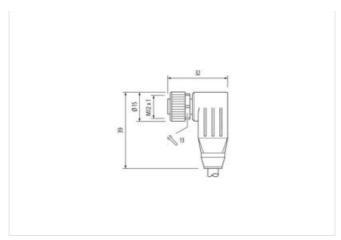








stay connected



Product may differ from Image













Cable length	4,6 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
No. of poles	4
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879141703
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V



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Operating voltage DC (UL listod) 30 V Current operating per contact max. 4 A  A  A  Degree of protection (EN IEC 60529) IP65, IP67  Additional condition protection degree    Degree of protection (EN IEC 60529)   IP65, IP67  Additional condition protection degree   Additional condition method the condition of the condition	Operating voltage AC (UL-listed)	30 V
Current operating per contact max.         4 A           Device protection (Electrical)           Degree of protection (EN IEC 6058)         IP65, IP67           Additional condition protection degree         IR6           Pollution Degree         3           Rated surge voillage         1,5 kV           Multinal group (IEC 60664*1)         1           Mechanical data (Munuting data)         Mechanical data (Munuting data)           Environmental characteristics (Dimaio:         Operating rempressure max.         85 °C           Operating temperature min.         25 °C         Condition of Control of Cont	1 0 0 1	
Degree of protection (EN IEC 060529)         IPP65, IPP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voil (EC 06064 1)         1           Mechanical data [Mounting data]         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Common protection of protectio		
Degree of protection (EN IEC 60520)         IP65. IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Moretinal group (IEC 60064-1)         1           Mounted group (IEC 60064-1)         1           Mounted group (IEC 60064-1)         1           Mounted proper (IEC 60064-1)         1           Mounted group (IEC 60064-1)         1           Mounted group (IEC 60064-1)         1           Mounted (IEC 60064-1)         1           Mounted (IEC 60064-1)         2           Mounted (IEC 60064-1)         2           Chroning region (IEC 60064-1)         2           Operating to properature max.         85 °C           Operating to properature max.         85 °C           Note on the adding radio to strain reled         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable less.           Note on the adding radio and strain release the protection class can be entangered by excessive bending radio when laying cables, as the IP protection class can be entangered by excessive bending froces.           Conformity         Institution (Cable (IEC 6007)         Vole of (IEC		4 A
Additional condition protection degree         inserted, screwed           Pollution Degree         1,5 kV           All activation young (EC 60684-1)         Inserted, screwed, Shaking protection           Environmental characteristics   Climate         Compening temperature min.         25 °C           Operating temperature min.         45 °C         Activation of temperature min.         45 °C           Additional condition temperature max.         85 °C         Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C         Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C         Additional condition temperature max.         85 °C           Note on strian roted         Protect the connectors by suitable measures from mechanical loads, a.g. by the usage of cable lies.           Attention: Conserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Wrie a transgement         (white, blue), (black, red)           Gabre identification         803           Ascheet Color         voiet           Viele         Viele           Stranding (type 2)         2 Strandied joints twisted           Cable shelding (type) <td>Device protection   Electrical</td> <td></td>	Device protection   Electrical	
Follution Degree         3           Rated surge voltage         1,5 kV           Mechanical group (IEC 90684-1)         1           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climate         Inserted, screwed, Shaking protection           Operating temperature min.         -25 °C           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.           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.           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Cable (1076-2-101) (M12)           Installation   Cable         Viville (1076-2-101) (M12)           Installation   Cable (1076-2-101) (M12)         Viville (1076-2-101) (M12)           Installation   Cable (10	Degree of protection (EN IEC 60529)	IP65, IP67
Rate file and group (IEC 60664-1)         1,5 kV           Mechanical data I Mounting data I Mounting method         Inserted, screwed, Shaking protection           Environmental Characteristical Climater         Coperating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range important methods or adjusted to extensive the protection statistication notes         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.           Note on banding radius         Attentions Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying	Additional condition protection degree	inserted, screwed
Metorial group (EC 60864 1)         I           Mechanical datal Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Commental characteristics   Climatic           Operating temperature min.         2.5 °C           Additional condition temperature mape         depending on cable quality           Important Installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bridging 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 81076 2-101 (M12)           Installation   Cable         Write a product standard         White, blue), (black, red)           Cable identification         803         Additional control of the contro	Pollution Degree	
Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Coperating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature may.         depending on cable quality           Important Installation notes.         Important Installation notes.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Nation on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contently         Product standard         DIN EN 61076-2-101 (M12)           Installation Cable         Important Installation Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Associated Color         violet           Type of Certificate         cuPrise           Amount straining         1           Stranding (type 2)         2           Gable inheliting (type 2)         2         Stranded joints twisted           Cable shelding (coverage)         65 %         Sea           Banding         Foil           Drain wire (cross-section	Rated surge voltage	1,5 kV
Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature mac.         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.           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         Use of sentification   Signature	Material group (IEC 60664-1)	I
Environmental characteristics   Climative         25 °C           Operating temperature min.         25 °C           Additional condition temperature range         depending on cable quality           Important installation notes         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.           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         White, blue), (black, red)           Wise arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         volet           Type of Certificate         cURus           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (coverage)         65 %           Banding         Foll           Drain wire (cross-section)         22 AWG           Write a blue, (black, red)           Cable shielding (coverage)         65 %           Banding         Foll           Drain wire (cross-section)         22 AWG           Write a strain from impredients (jacket)         6.9 mm           Color diameter (ja	Mechanical data   Mounting data	
Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature mays.         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible bending radii when laying cables, as the IP protection class can be endangered by excessible protects.           What a protect and in a protection of the pr	Mounting method	inserted, screwed, Shaking protection
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 ties.           Note on bending radius         Attention: Observe the permissible bending adil 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         Use of 1076-2-101 (M12)           Installation   Cable         Use of 1076-2-101 (M12)           Gable identification         803           Jacket Cloir         violet           Type of Certificate         CURUs           Amount stranding         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         Opper braid, timed           Cable shielding (type)         Opper braid, timed           Cable shielding (type)         Opper braid, timed           Cable shielding (type)         65 %           Banding         Foll           Drain wire (cross-section)         22 AWG           Wire arrangement         (white, blue), (black, red)           Cable weight	Environmental characteristics   Climatic	
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)           Installation   Cable         wire arrangement           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacked Color         voiet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 stranded joints twisted           Cable is entirely (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Ca	Operating temperature min.	-25 °C
Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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         Installation   Cable         Installation   Cable           View are arrangement         (white, blue), (black, red)         Cable identification         803           Jacket Color         violet         Violet         Cable (contificate)         URB           Amount stranding         1         Stranding         2 wires twisted           Amount stranding (type 2)         2 Stranded joints twisted         Cable shielding (type)         2 Stranded joints twisted           Cable shielding (type 2)         2 Stranded joints twisted         Cable shielding (type)         2 Stranded joints twisted           Cable shielding (type 2)         2 Stranded joints twisted         Cable shielding (type 2)         2 Stranded joints twisted           Cable shielding (type 2)         2 Stranded joints twisted         Cable shielding (type 2)         2 Stranded joints twisted           Cable shielding (type 2)         2 Stranded joints twisted         Cable shielding (type 2)         2 Stranded joints twisted <td>Operating temperature max.</td> <td>85 °C</td>	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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded Joints twisted  Cable shielding (type) copper braid, linned  Cable shielding (coverage) 65 %  Banding Foil  Drain wire (cross-section) 22 AWG  wire arrangement (white, blue), (black, red)  Cable weight 63,12 g/m  Material jacket PUR  Shore hardness jacket 99 ± 5 Shore A  Freedom from ingredients (jacket) 16,9 mm  Tolerance outer diameter (sheath) 55 %  Material wire insulation PE  Amount stranding PE  Amount stranding (powerage) 6,9 mm  Tolerance outer diameter (sheath) 25 %  Material wire insulation PE  Amount stranding Foil PUR  Amount stranding (powerage) 63,1 g/m  Material jacket PUR  Shore hardness jacket 92 ± 5 Shore A  Freedom from ingredients (jacket) 16,9 mm  Tolerance outer diameter (sheath) 25 %  Material wire insulation PE  Amount wires 2  Amount diameter fusication 2,1 mm  Outer diameter insulation 94 ± 5 Shore D  Ingredient freeness wire insulation 14 ± 5 Shore D  Ingredient freeness wire insulation 190 Michael Purche, calchen, free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crossection(r) 24 AWG  Drain wire (cross-section) 24 AWG	Additional condition temperature range	depending on cable quality
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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded Joints twisted  Cable shielding (type) copper braid, linned  Cable shielding (coverage) 65 %  Banding Foil  Drain wire (cross-section) 22 AWG  wire arrangement (white, blue), (black, red)  Cable weight 63,12 g/m  Material jacket PUR  Shore hardness jacket 99 ± 5 Shore A  Freedom from ingredients (jacket) 16,9 mm  Tolerance outer diameter (sheath) 55 %  Material wire insulation PE  Amount stranding PE  Amount stranding (powerage) 6,9 mm  Tolerance outer diameter (sheath) 25 %  Material wire insulation PE  Amount stranding Foil PUR  Amount stranding (powerage) 63,1 g/m  Material jacket PUR  Shore hardness jacket 92 ± 5 Shore A  Freedom from ingredients (jacket) 16,9 mm  Tolerance outer diameter (sheath) 25 %  Material wire insulation PE  Amount wires 2  Amount diameter fusication 2,1 mm  Outer diameter insulation 94 ± 5 Shore D  Ingredient freeness wire insulation 14 ± 5 Shore D  Ingredient freeness wire insulation 190 Michael Purche, calchen, free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crossection(r) 24 AWG  Drain wire (cross-section) 24 AWG	Important installation 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         White, blue), (black, red)           Cable identification         803           Jackel Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, finned           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           Were arrangement         (white, blue), (black, red)           Cable weight         63,12 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Outer diameter (sheath)         ± 5 %	•	Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties
Conformity         Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation (Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         opper braid, timed           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weigh         63,12 g/m           Material jacket         PUR           Shore hardness jacket         PE           Freedom from ingredients (jacket)         6,9 mm           Tolerance outer diameter (jacket)         6,9 mm           Tolerance outer diameter (jacket)         5 %           Material wire insulation         PE           Outer diameter (jacket)         5 %           Material wire insulation         45 %           Outer diameter insulation		
Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         OURUS           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weight         63,12 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         9.9 mm           Coller-diameter (jacket)         6.9 mm           Tolerance outer diameter (sheath)         ± 5%           Amount wires         2           Outer diameter insulation         £ 5           Afforce hardness wire insulation         £ 4 ± 5 Shore D           Ingedient freenes	Note on bending radius	
Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 vires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Bandring         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weight         63,12 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)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         ± 5 %	Conformity	
wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foll           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weigth         63,12 g/m           Material jacket         PUR           Shore Andress jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness	Product standard	DIN EN 61076-2-101 (M12)
Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weight         63,12 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         E           Amount wires         2           Outer diameter tolerance core insulation         5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient fre	Installation   Cable	
Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         coper braid, tinned           Cable shielding (coverage)         65 %           Bandring         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weigth         63,12 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)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter insulation         2,1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free <t< td=""><td>wire arrangement</td><td>(white, blue), (black, red)</td></t<>	wire arrangement	(white, blue), (black, red)
Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weight         63.12 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)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Outer diameter of single wires         24 AWG           Onductor crosssection (wire)         24 AWG<	Cable identification	803
Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weight         63.12 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         90 ± 5 Shore A           Freedom from ingredients (jacket)         6,9 mm           Tolerance outer diameter (jacket)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         24 AWG           Cond	Jacket Color	violet
Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weigth         63.12 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         90 ± 5 Shore A           Freedom from ingredients (jacket)         6,9 mm           Tolerance outer (jacket)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter insulation         2,1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         19           Diameter of single wires         24 AWG           Cond	Type of Certificate	cURus
Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weigth         63,12 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)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter insulation         2,1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         24 AWG           Oncoluctor crosssection (wire)         24 AWG           Oncoluctor cross-section (wire) <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weigth         63,12 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)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter insulation         2,1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Drain wire (cross-section)         22 AWG	Stranding	2 wires twisted
Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weigth         63,12 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)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Conductor cross-section)         22 AWG	Amount stranding (type 2)	1
Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weight         63.12 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)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter tolerance core insulation         2,1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         19           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Drain wire (cross-section)         22 AWG	Stranding (type 2)	2 Stranded joints twisted
Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weigth         63,12 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)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter insulation         2,1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Drain wire (cross-section)         22 AWG	Cable shielding (type)	copper braid, tinned
Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           Cable weigth         63,12 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)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter insulation         2,1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Drain wire (cross-section)         22 AWG	Cable shielding (coverage)	65 %
wire arrangement (white, blue), (black, red)  Cable weigth 63,12 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) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE  Amount wires 2  Outer diameter insulation 2,1 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 64 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crosssection (wire) 24 AWG  Drain wire (cross-section) 22 AWG	Banding	Foil
Cable weigth 63,12 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) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE  Amount wires 2  Outer diameter insulation 2,1 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 64 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crosssection (wire) 24 AWG  Drain wire (cross-section) 22 AWG	Drain wire (cross-section)	22 AWG
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) 6,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 2 Outer diameter insulation 2,1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor cross-section (wire) 24 AWG Drain wire (cross-section) 22 AWG	wire arrangement	(white, blue), (black, red)
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE  Amount wires 2  Outer diameter insulation 2,1 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation ± 5 %  Shore hardness wire insulation 64 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crosssection (wire) 24 AWG  Drain wire (cross-section) 22 AWG	Cable weigth	63,12 g/m
Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free silicone-free  Outer-diameter (jacket)  folerance outer diameter (sheath)  ± 5 %  Material wire insulation  PE  Amount wires  2  Outer diameter insulation  Outer diameter tolerance core insulation  \$\frac{\pmathbf{5}}{2}\$  Shore hardness wire insulation  folerance wire insulation  64 ± 5 Shore D  Ingredient freeness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires  24 AWG  Onductor crosssection (wire)  22 AWG  Drain wire (cross-section)  22 AWG	Material jacket	PUR
Outer-diameter (jacket) 6,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE  Amount wires 2  Outer diameter insulation 2,1 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 64 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crosssection (wire) 24 AWG  Drain wire (cross-section) 22 AWG	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE  Amount wires 2  Outer diameter insulation 2,1 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 64 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crosssection (wire) 22 AWG	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulationPEAmount wires2Outer diameter insulation2,1 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation64 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)19Diameter of single wires24 AWGConductor crosssection (wire)24 AWGDrain wire (cross-section)22 AWG	Outer-diameter (jacket)	6,9 mm
Amount wires  2 Outer diameter insulation  2,1 mm  Outer diameter tolerance core insulation  5 %  Shore hardness wire insulation  64 ± 5 Shore D  Ingredient freeness wire insulation  lead-free, CFC-free, halogen-free  Amount strands (wire)  19  Diameter of single wires  24 AWG  Conductor crosssection (wire)  24 AWG  Drain wire (cross-section)  22 AWG	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 2,1 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 64 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crosssection (wire) 24 AWG  Drain wire (cross-section) 22 AWG	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 64 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crosssection (wire) 24 AWG  Drain wire (cross-section) 22 AWG	Amount wires	2
Shore hardness wire insulation 64 ± 5 Shore D  Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crosssection (wire) 24 AWG  Drain wire (cross-section) 22 AWG	Outer diameter insulation	2,1 mm
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 24 AWG  Conductor crosssection (wire) 24 AWG  Drain wire (cross-section) 22 AWG	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG	Shore hardness wire insulation	64 ± 5 Shore D
Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG	Amount strands (wire)	19
Drain wire (cross-section) 22 AWG	Diameter of single wires	24 AWG
	Conductor crosssection (wire)	24 AWG
Material conductor wire copper stranded wire, tinned	Drain wire (cross-section)	22 AWG
	Material conductor wire	copper stranded wire, tinned



Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	± 53 %
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
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 (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	1 Mio.
Traversing distance (C-track)	5 m
Travel speed (C-track)	3 m/s
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min