

## M12 female 0° A-cod. with cable

PUR AWG24+22 shielded vt UL/CSA+drag ch. 15m

DeviceNet, CANopen Female straight M12, 5-pole A-coded

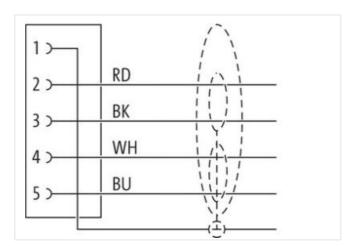
Plastic housings with good resistance against chemicals and oils.

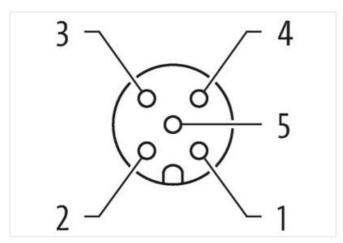
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

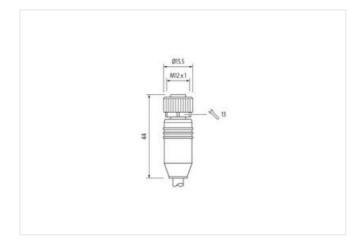
## **Link to Product**

## Illustration









Product may differ from Image





















Cable length	15 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
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	4048879199544
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	



stay connected

Coating of fitting nicket plated Mauritial gasket Looking material Action gasket Looking material Looking	Coating locking	Nickeled
Methodical passet		
Locking material         Zinc dis-casting           Mechanical facils (Mounting data)         Code-casting           Mounting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climatio           Coperating temperature min.         25 °C           Operating temperature may.         35 °C.           Additional condrion 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 ries.           Note on bending radius         Attention. Closerve the permissible bending radii when laying cables, as the IP protection disas can be endangered by excessive bending forcips.           Product standard         DINE N 817676-2-101 (M12)           Installation (Cable)         William (Supplement)           William (Supplement)         Cultical (Supplement)           Color (Supplement)         Cultical (Supplement)           Amount stranding (Type 2)         1           Stranding (Type 2)         1           Stranding (Type 2)         2           Stranding (Type 2)         2           Cable shielding (type 2)         1           Cable shielding (type 2)         2           Cable shielding (type 2)         2         2           Cable shieldin		·
Meterial data   Mounting data         Zinc die rasting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Vision on strain reloit         Protect the connectors by suitable measures from mechanical loads, o.g. by the usage of cable ties.           Note on bending radius         Abrations: Cbeserve the permissible bending radis when laying cables, as the IP protection class can be endanged by accessive bending protes.           Continuity         Product standard         (white, blue), (black, red)           Coation invalidation (cable)         Use a strain of cable (cable distribution)         803           Jacked Color         voice!         Characteristics of cable (cable distribution)           Stranding         2 (white, blue), (black, red)           Cable invalidation (grope 2)         2 (strained)           Stranding (grope 2)         2 (strained)           Stranding (grope 2)         2 (strained)           Stranding (grope 2)         3 (strained)           Stranding (grope 2)         4 (strained)           Stranding (grope 2)         4 (strained) <th< td=""><td></td><td></td></th<>		
Mounting method inserted, screwed, Shaking protection  Fundrommetal characteristics   Climate  Operating tomperature min.		
Mounting method insented, screened, Shaking protection  Environmental characteristics   Climatio  Operating temporature min.		
Content   Cont	, , , ,	
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Addisonal 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 ses.           Note on bunding radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         wine arrangement           wine arrangement         (white, blue), (black, red)           Cable disdisfication         83           Jacket Color         volet           Type of Carificate         cURus           Amount stranding (type 2)         1           Stranding (type 2)         2 sivers wisted           Amount stranding (type)         coper braid, finned           Cable shelding (type)         coper braid, finned           Cabl	Mounting method	inserted, screwed, Shaking protection
Additional condition temperature max. 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 lies.  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 I Cable  wine arrangement (white, blue), (black, red)  Cable identification   883  Jacket Color (violation)  Type of Certificate culture  URus  Amount stranding 1   1  Stranding (type 2)   1  Stranding (type 2)   2  Stranding (type 2)   3  Stranding (type 2)   4  Stranding (type 2)   5  Stranding (type 2)   5  Stranding (type 2)   5  Stranding (type 2)   5  Stranding (type 2)   65 %  Banding Foil   7  Diral wire (cross-section)   22 AWG   7  Malerial jacket Pure   7  Malerial jacket Pure   7  Malerial jacket Pure   7  Shore hardness jacket   90 5 Shore A   7  Shore hardness jacket   90 5 Shore A   7  Tolerance outer diameter (jacker)   6,9 mm   7  Tolerance outer diameter (jacker)   6,9 mm   7  Tolerance outer diameter (jacker)   7  Shore hardness wire insulation   PE   7  Amount stranding wire substation   9  Diameter of single wires   24 AWG   7  Diameter of single wires   24 AWG   7  Diameter of insulation (Data)   7  Diameter of conductor wire (substation (Data)   5 Sm   7  Tolerance outer diameter wire insulation (Data)   5 Sm   7  Tolerance couter diameter wire insulation (Data)   5 Sm   7  Tolerance outer diameter wire insulation (Data)   5 Sm   7  Tolerance outer diameter wire insulation (Data)   5 Sm   7  Tolerance outer diameter wire insulation (Data)   5 Sm   7  Tolerance outer diameter wire insulation (Data)   5 Sm   7  Tolerance outer diameter wire	Environmental characteristics   Climatic	
Additional condition temperature range important installation notes  Note on strain rolled 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 fortoss.  Conformity  Product standard DIN EN 61976-2-101 (M12)  Installation ( Cable  write arrangement (white, blue), (black, red)  Gable identification 803  Jacket Color volet  Type of Certificate cURIus  Amount stranding 11  Stranding 2 wries twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded pinits twisted  Cable shielding (type) copper braid, finned  Cable shielding (type) copper braid, finned  Cable shielding (coverage) 55 %  Banding Foil Drain wries (cross-section) 22 AWG  wrie arrangement (white, blue), (black, red)  Cable weight 63,12 gm  Jarrandines jacket PUR  Shore hardness jacket PUR  Amount stranding type 2, 5 %  Shore on the permission of the perm	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 ordangered by excessive bending forces.           Conformity         Product standard         DN EN 61076-2-101 (M12)           Installation (able         Write arrangement         (white, blue), (black, red)           Cable identification         803         304           Locked Color         violet           Type of Certificate         UFRus           Amount stranding         1         1           Stranding (type 2)         1         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         capper braid, timed           Cable shielding (type)         capper braid, timed           Cable shielding (type)         capper braid, timed           Cable shielding (type)         22 Exanded joints twisted           Cable shielding (type)         capper braid, timed           Cable shielding (type)         capper braid, tim	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 ities. Note on bending radius 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) Installation   Cable	Additional condition temperature range	depending on cable quality
Note on bending radius         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)           Installation   Cable         Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Cartificate         CUPRus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         0 Special timed           Cable shi	Important installation notes	
Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable           wire arrangement         (white, blue), (black, rod)           Cable identification         803           Jacked 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, timed           Cable shielding (type)         copper braid, timed           Cable shielding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (while, blue), (black, rad)           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 m           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         £ 1 5 Shore D	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           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, timed           Cable shielding (type)         copper braid, timed           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 (sacket)         6,9 mm           Tolerance outer diameter (sacket)         5,5 mm           Material wire insulation	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 wires wisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         coppor braid, finned           Cable shielding (type)         coppor shall (type)           Cable shielding (type)         coppor shall (type)           Cable shielding (type)         coppor shall (type)           Cable shielding (type)         coppor shal	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         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         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,9 mm           Tolerance outer diameter (sheath)         1,5 %           Material wire insulation         PE           Amount wires         2           Outer diameter folerance core insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient treeness wire insu	Product standard	DIN EN 61076-2-101 (M12)
Gable 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         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 dameter tolerance core insulation         ± 5 %           Shore bardness wire insulation         e4 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free	Installation   Cable	
Gable 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         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 dameter tolerance core insulation         ± 5 %           Shore bardness wire insulation         e4 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free		(white, blue), (black, red)
Jacket Color         violet           Type of Cartificate         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           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 insulation         2,1 mm           Outer diameter tolerance core insulation         4 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free		
Type of Certificate         cURus           Amount stranding         1           Stranding (ype 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Bandning         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 insulation         £ 5 %           Shore hardness wire insulation         £ 5 Shore D           Ingredient freeness wire insulation         £ 4 ± 5 Shore D           Outer diameter insulation         £ 4 ± 5 Shore D           Diameter of single wires         £ 4 AWG           Conductor crosssection (wire)         £ 4 AWG		
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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 insulation         64 ± 5 Shore D           Ingredient freeness 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           Corductor cross-section (wire)         24 AWG           Drain wire (cross-section)		
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         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 %           Shore hardness 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           Material unretion wire         pate		
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 crosssection (wire)         22 AWG           Material function wire         Data           Material wire insulation (Data)         PE           Outer diameter wire insulation (Data) <td></td> <td></td>		
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 insulation         2,1 mm           Outer diameter tolerance core insulation         4 ± 5 Shore D           Ingredient freeness 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 (Data)         PE           Outer diameter wire insulation (Data)         PE           Outer diameter wire insulatio		
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         2,1 mm           Outer diameter tolerance core insulation         4 ± 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           Material conductor wire         Data           Electrical function wire         Data           Material wire insulation (Data)         PE           Outer diameter wire insulation (Data)<	0 (), ,	
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 insulation         64 ± 5 Shore D           Ingredient freeness 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 conductor wire         copper stranded wire, tinned           Electrical function wire         Data           Material wire insulation (Data)         PE           Outer diameter wire insulation (Data)         1,5 mm           T		
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 cross-section (wire) 24 AWG  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 %		
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 4± 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  Tolerance outer diameter wire insulation copper stranded wire, tinned  Electrical function wire pate wire insulation (Data) PE  Outer diameter wire insulation (Data) ± 5 %		(white, blue), (black, red)
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           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 %		
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           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 %	5	
Freedom from ingredients (jacket)  Outer-diameter (jacket)  6,9 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PE  Amount wires  2  Outer diameter insulation  Outer diameter rolerance core insulation  2,1 mm  Outer diameter tolerance core insulation  5 %  Shore hardness wire insulation  64 ± 5 Shore D  Ingredient freeness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  19  Diameter of single wires  24 AWG  Conductor crosssection (wire)  24 AWG  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)  7 berance outer diameter wire insulation (data)  ± 53 %		
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Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG 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 %		
Conductor crosssection (wire) 24 AWG  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 %	Diameter of single wires	24 AWG
Drain wire (cross-section)  Material conductor wire  Copper stranded wire, tinned  Electrical function wire  Data  Material wire insulation (Data)  PE  Outer diameter wire insulation (Data)  Tolerance outer diameter wire insulation (data)  ±53 %	Conductor crosssection (wire)	
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 %		
Electrical function wire Data Material wire insulation (Data) PE Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (data) ±53 %	Material conductor wire	
Material wire insulation (Data) PE Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (data) ±53 %	Electrical function wire	
Outer diameter wire insulation (Data) 1,5 mm  Tolerance outer diameter wire insulation (data) ± 53 %		
Tolerance outer diameter wire insulation (data) ± 53 %	Outer diameter wire insulation (Data)	
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	Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free

Torsion speed



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

35 cycles/min