

## M12 female 0° A-cod. with cable

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

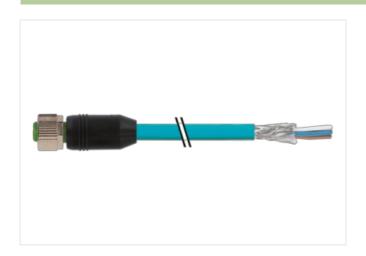
DeviceNet, CANopen Female straight M12, 5-pole A-coded

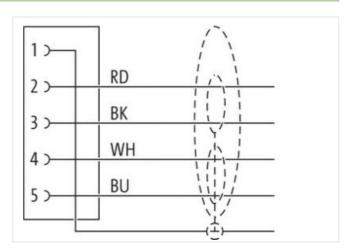
Plastic housings with good resistance against chemicals and oils.

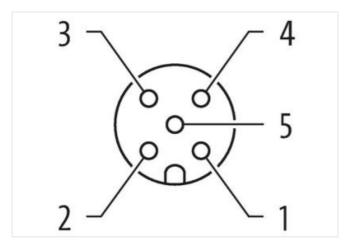
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## **Link to Product**

## Illustration









Product may differ from Image













Cable length

15 m

Side 1

Tightening torque

0,6 Nm

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: 2024-04-18



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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	4048879454865
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)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
	Niekalad
Coating of fitting	Nickeled
Coating of fitting	nickel plated FKM
Material gasket	
Locking material  Material screw connection	Zinc die casting
	Zinc die-casting
Mechanical data   Mounting data	
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
Conformity	

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stay connected

Product standard	DIN EN 61076-2-101 (M12)
FIOUUCI Standard	DIIN EIN 010/0-2-101 (W12)

Installation (Cable)         Based Color         Buse           Type of Certification         QUIBUR           Amount Stranding         1           Shanding         2 wirest twisted           Amount Stranding (type 2)         1           Shanding (type 2)         2 Shanding (type 2)           Cabile shielding (type)         copper braid, firmed           Cabile shielding (type)         22 AWG           Cabile shielding (type)         22 AWG           Cabile weight         63.12 pm           Markersi (type)         63.12 pm           Shore hardness (type)         53.5 Shore A           Pice of Carelander (type)         69.7 mm           Shore hardness (type)         69.7 mm           Shore hardness (type)         69.7 mm           Tolerance cuter (carelander (type)         6.9 mm           Tolerance cuter (carelander (type)         6.9 mm           Tolerance cuter (carelander (type)         6.9 mm           Tolerance cuter (type)         6.9 mm           Tolerander (type)         6.9 mm           Tolerande	Product standard	DIN EN 61076-2-101 (M12)
Special Color	Installation   Cable	
Type of Certificate         cURus           Armount standing         1           Stranding         2 wires twisted           Armount standing (type)         1           Stranding (type)         2           Cable shelding (coverage)         65 %           Branding         Foll           Drain wire (cross section)         22 AWG           wire a rangement         (white, bubb, black, led)           No. of barding cycles (Crack)         1 Mo.           Cable weight         63.12 g/m           Material jacket         PUR           Shore hardiness (picker)         99 ± 5 Shore A           Freedom from ingeridiants (jacker)         1 Mo.           Oller-diameter (special strandisce)         69.7 mm           Oller-diameter (special strandisce)         69.7 mm           Oller-diameter (special strandisce)         5.9 mm           Tolerance custer insulation         2.5 mm           Outer diameter (shearth)         ± 5 %           Material wire requisition         2.5 mm           Outer diameter (shearth)         ± 5 %           Material wire insulation         64 ± 5 Shore D           Ingredient foreness wire insulation         64 ± 5 Shore D           Ingredient foreness wire insulation (strandisce) <td>Cable identification</td> <td>834</td>	Cable identification	834
Type of Certificate         cURus           Armount standing         1           Stranding         2 wires twisted           Armount standing (type)         1           Stranding (type)         2           Cable shelding (coverage)         65 %           Branding         Foll           Drain wire (cross section)         22 AWG           wire a rangement         (white, bubb, black, led)           No. of barding cycles (Crack)         1 Mo.           Cable weight         63.12 g/m           Material jacket         PUR           Shore hardiness (picker)         99 ± 5 Shore A           Freedom from ingeridiants (jacker)         1 Mo.           Oller-diameter (special strandisce)         69.7 mm           Oller-diameter (special strandisce)         69.7 mm           Oller-diameter (special strandisce)         5.9 mm           Tolerance custer insulation         2.5 mm           Outer diameter (shearth)         ± 5 %           Material wire requisition         2.5 mm           Outer diameter (shearth)         ± 5 %           Material wire insulation         64 ± 5 Shore D           Ingredient foreness wire insulation         64 ± 5 Shore D           Ingredient foreness wire insulation (strandisce) <td></td> <td></td>		
Amount stranding         1           Stranding         2 wine twisted           Amount stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         0 copport trail, direct           Cable shielding (type)         65 %           Darin were (cross-section)         22 AWG           Darin were (cross-section)         22 AWG           No. of barding cycles (C-track)         1 Min.           Cable owight         63 12 g/m           Material picket         PUR           Shore hardress jacket         90 ± 5 Shore A           Freudom from ingredients (acket)         90 ± 5 Shore A           Telerance cuter diameter (schedi)         6.9 mm           Tolerance cuter diameter (schedi)         5.5 %           Material wire insulation         2 PE           Outer diameter (schedi)         5.7 %           Shore hardress wire insulation         6.4 ± 5 Shore D           Ingredient freeness wire insulation         6.4 ± 5 Shore D           Ingredient freeness wire insulation         6.4 ± 5 Shore D           Ingredient freeness wire insulation         6.4 ± 5 Shore D           Ingredient freeness wire insulation         6.4 ± 5 Shore D           Ingredient freeness wire insulation         6.9 mm           Ingredient f		
Stranding (type 2)         2 wires briefled           Amount stranding (type)         2 Stranding (type)         2 Stranding (type)           Cable shelinding (type)         0 Spoper briefl, fininged           Cable shelinding (type)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire aurangement         (white, blue), (black, red)           No. of bending sycles (C-track)         1 Mic.           Cable weight         63 (2 ym           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Froccom from ingredients (jackut)         1 four c, cadmium from, CFC froe, halogen free, silicone free           Outer diameter (jacket)         5 %           Material wire insulation         PE           Amount wires         2           Outer diameter (inclet)         5 %           Outer diameter (inclet)         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation (atta)         14 ± 5 Shore D           Ingredient freeness wire insulation (atta)         15 %           Material conductor wire         24 AWG		
Account stranding (type 2)   1		
Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Sable shielding (coverage)         65 %           Banding         Foil           Cable shielding (coverage)         65 %           Banding         Foil           Oran wive (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           No. of bending cycles (C-track)         1 Mio.           Cable weight         63.12 g/m           Material jacketel         PUR           Shore hardness size         90.15 Shore A           Freedom from ingredients (jacket)         6.9 mm           Outer-diameter (jacket)         6.9 mm           Tolerance outer diameter (spacket)         6.9 mm           Material wire insulation         PE           Amount wires         2           Couter diameter insulation         2.1 mm           Outer diameter insulation         6.4 ± 5 Shore D           Ingredient freeness wire insulation         6.4 ± 5 Shore D           Ingredient freeness wire insulation         6.4 ± 5 Shore D           Ingredient freeness wire insulation (park)         2.4 AWG           Drain wire (cross-section)         2.2 AWG           Oute		
Cable shielding (rype)         copper braid, finned           Cable shielding (coverage)         65 %           Bandring         Fol           Drain wire (cross-section)         22 AWG           Wire a rangement         (white, Due), (black, red)           No. of bending cycles (C-track)         1 Mio.           Cable weight         65.12 g/m           Malorial jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (acket)         16 af reo, codmium free, CFC free, habgen free, silicone free           Outer diameter (jacket)         5, m           Tolerance outer diameter (jacket)         5 %           Material wire insulation         PE           Amount wires         2           Outer diameter (locket)         1,5 %           Shore barchess wire insulation         2,1 mm           Outer diameter (locket)         4,5 %           Shore barchess wire insulation         1,5 %           Shore barchess wire insulation         1,5 %           Shore barchess wire insulation         1,5 mm           One of single wire         24 AWG           Conductor crosssection (wire)         24 AWG           Conductor or sissection (wire)         24 AWG           D		
Cabbs eriedding (coverage)         65 %           Banding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           No. of bending cycles (C-track)         1 Mix.           Cabia weigh         63.12 g/m           Material jacket         PUR           Shore hardness jacket         90 5 Shore A           Freedom from ingredients (jacket)         least-free, cadmium-free, CFC-free, halogen-free, sillicone-free           Outer diamoter (jacket)         6,9 mm           Tolerance outer diameter (sheath)         1.5 %           Material wire insulation         PE           Amount wires         2           Outer diameter tolerance core insulation         2.1 mm           Outer diameter tolerance core insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation (view)         24 AWG           Conductor crossection (view)         2		·
Banding   Foil   Drain wire (cross-section)   22 AWG		
Drain wire (cross-section)   22 AWG		
wire arrangement         (white, blue), (black, red)           No. of bendring cycles (C-track)         1 Mio.           Cable weigh         63.12 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Shore Andress jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         6.9 mm           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         4.1 mm           Outer diameter tolerance core insulation         4.2 5 Shore D           Ingredient reasons wire insulation         6.4 5 Shore D           Ingredient reasons wire insulation         6.4 2 5 Shore D           Ingredient reasons wire insulation         6.4 2 5 Shore D           Ingredient reasons wire insulation (wire)         19           Dameter of single wires         2.4 AWG           Conductor crossesction (wire)         2.4 AWG           Drain wire (cross-section)         2.2 AWG           Material conductor wire (ameter wire insulation (Data)         1.5 mm           Tolerance outer diameter wire		
No. of bending cycles (C-track)         1 Min.           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 (gaket)         6,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter insulation         £ 1 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         £ 5 %           Shore hardness wire insulation         £ 4 ± 5 Shore D           Ingredient freeness wire insulation         £ 4 ± 5 Shore D           Ingredient freeness wire insulation         £ 4 ± 5 Shore D           Ingredient freeness wire insulation (wire)         £ 4 AWG           Conductor crosssection (wire)         £ 4 AWG           Drain wire (cross-section)         £ 2 AWG           Material wire insulation (Data)         £ 5 mm           Material wire insulation (Data)         £ 5 mm           Tolerance outer diameter wire insulation (Data)         £ 5 mm           Touter diameter wire insulation (Data)         £ 6 mm		
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         PE           Amount wires         2           Outer diameter insulation         2,1 mm           Outer diameter brolerance core insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         19           Diameter of single wires         24 AWG           Oranductor 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 (Mata)         ± 5 %           Ingredient freeness wire insulation (Mata)         ± 5 mm           Outer diameter wire insulation (Data)         ± 2 AWG           Ingredient freeness wire insulation (Mata)         ±		
Material jacket         PUR           Shore hardness jacket         90 ± S Shore A           Freedom from ingredientis (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 crossacction (wire)         24 AWG           Drain wire (cross-section)         22 AWG           Material conductor wire         copper stranded wire, tinned           Electrical function wire         Data           Material vire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         19           Diameter of single wires (Data		
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         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           Onductor crosssection (wire)         22 AWG           Material wire insulation (Data)         PE           Ucter diameter wire insulation (Data)         PE           Material wire insulation (Data)         1.5 mm           Tolerance outer diameter wire insulation (Data)         1.5 mm           Tolerance outer diameter wire insulation (Data)         1.9 mm           Diameter of single wires (Data)         2           Conductor crossesction vire (Data)         22 AWG           Conductor wire (Data)         22 AWG           Conductor wire (Data)		
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         ± 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 function wire         Data           Material wire insulation (Data)         PE           Outer diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         2,5 %           Ingredient freeness wire insulation (Data)         2,5 mm           Tolerance outer diameter wire insulation (Data)	-	
Tolerance outer diameter (sheath)		<u>-</u>
Material wire insulation         PE           Amount wires         2           Outer diameter insulation         2,1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore bardness 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, finned           Electrical function wire         Data           Material wire insulation (Data)         PE           Outer diameter wire insulation (Data)         PE           User diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         18           Amount strands wire (Data)         2           2         Amount strands wire (Data)         22           3         19           3         19           3         19           3         19           3         19		•
Amount wires 2 Outer diameter insulation 2.1 mm Outer diameter 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) 1,5 mm Tolerance outer diameter wire insulation (Data) 19 Diameter of single wires (Data) 2 Amount wires (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 2 Amount strands wire (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Material conductor wire (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Conductor crosssection wire (Data) 25 AWG Conductor crosssection wire (Data) 25 AWG Conductor crosssection wire (Data) 25 AWG Conductor wire (Data) 25 AWG Conductor wire (Data) 25 AWG Conductor crosssection wire (Data) 25 AWG Current load capacity min. Wire (Data) 5 MC Current load capacity min. Wire (Data) 6 A Electrical function wire (data) Power Current load capacity min. Wire (Data) 6 A Electrical function wire (Data) 6 A Elec	. ,	
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)         1,5 mm           Tolerance outer diameter wire insulation (Data)         ± 53 %           Ingredient freeness wire insulation (Data)         1ead-free, CFC-free, halogen-free           Amount vires (Data)         2           Amount strands wire (Data)         19           Diameter of single wires (Data)         22 AWG           Conductor crosssection wire (Data)         22 AWG           Material conductor wire (Data)         22 AWG           Material conductor wire (Data)         copper stranded wire, tinned           Ele		
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)         P.E           Outer diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         lead-free, CFC-free, halogen-free           Amount wires (Data)         2           Amount vires (Data)         2           Diameter of single wires (Data)         2           Diameter of single wires (Data)         22 AWG           Conductor crosssection wire (Data)         22 AWG           Material conductor wire (Data)         22 AWG           Material wire (wire)         04           Current load capacity mir. wire (Data)         00 power           Current load capacity (standard)         to DIN VDE 0		
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 %           Ingredient freeness wire insulation (Data)         ± 63 %           Ingredient freeness wire (Data)         2           Amount wires (Data)         19           Diameter of single wires (Data)         22 AWG           Conductor crosssection wire (Data)         22 AWG           Material conductor wire (Data)         22 AWG           Traversing distance (C-track)         5 m           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)         Power<		
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 % 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) 22 AWG Material conductor wire (Data) 22 AWG Material conductor wire (Data) 29 AWG Conductor crosssection wire (Data) 29 AWG Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current load capacity min. wire Data Electrical function wire (Data) Power Characteristic impedance 120 Ω±10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km Nominal voltage power AC max. 300 V		
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)       1,5 mm         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)       22 AWG         Material conductor wire (Data)       copper stranded wire, tinned         Electrical function wire (data)       Power         Traversing distance (C-track)       5 m         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. Wire (Data)       6 A         Electrical function wire (data)       Power         Characteristic impedance       120 Ω±10 % 0 1 MHz         Electrical resistance coating wire		
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)       1,5 mm         Tolerance outer diameter 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)       22 AWG         Material conductor wire (Data)       copper stranded wire, tinned         Electrical function wire (data)       Power         Traversing distance (C-track)       5 m         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,5 A         Current load capacity min. wire       A,5 A         Current load capacity min. Wire (Data)       6 A         Electrical function wire (data)       Power         Characteristic impedan		
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 %         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         Traversing distance (C-track)       5 m         Current load capacity rim. wire       4,5 A         Current load capacity min. wire       4,5 A         Current load capacity min. wire (Data)       6 A         Electrical function wire (data)       Power         Characteristic impedance       12 Ω ± 10 % @ 1 MHz         Electrical resistance line constant wire (Data)       54 Ω/km         Electrical resistance coating wire (Data)       54 Ω/km         <	· · ·	
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)       153 %         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         Traversing distance (C-track)       5 m         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)       Power         Characteristic impedance       120 Ω ± 10 % @ 1 MHz         Electrical resistance line constant wire       78 Ω/km         Electrical resistance coating wire (Data)       54 Ω/km         Nominal voltage power AC max.       300 V		
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       Traversing distance (C-track)     5 m       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)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Ω/km       Electrical resistance coating wire (Data)     54 Ω/km       Nominal voltage power AC max.     300 V		
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  Traversing distance (C-track) 5 m  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. Wire (Data) 6 A  Electrical function wire (data) Power  Current load capacity min. Wire (Data) 6 A  Electrical function wire (data) Power  Characteristic impedance 120 Ω ± 10 % @ 1 MHz  Electrical resistance coating wire (Data) 54 Ω/km  Nominal voltage power AC max. 300 V		
Material wire insulation (Data)       PE         Outer diameter wire insulation (Data)       1,5 mm         Tolerance outer diameter wire insulation (Data) $\pm 53\%$ 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         Traversing distance (C-track)       5 m         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 $\Omega \pm 10\%$ @ 1 MHz         Electrical resistance line constant wire       78 $\Omega$ /km         Electrical resistance coating wire (Data)       54 $\Omega$ /km         Nominal voltage power AC max.       300 V		
Outer diameter wire insulation (Data) 1,5 mm  Tolerance outer diameter wire insulation (data) $\pm$ 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  Traversing distance (C-track) 5 m  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) Power  Characteristic impedance 120 $\Omega \pm$ 10 % @ 1 MHz  Electrical resistance line constant wire 78 $\Omega$ /km  Nominal voltage power AC max. 300 V		
Tolerance outer diameter wire insulation (data) $\pm 53\%$ 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  Traversing distance (C-track) 5 m  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) Power  Characteristic impedance 120 $\Omega \pm 10\%$ @ 1 MHz  Electrical resistance line constant wire 78 $\Omega$ /km  Nominal voltage power AC max. 300 V		
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         Traversing distance (C-track)       5 m         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         Nominal voltage power AC max.       300 V		
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         Traversing distance (C-track)       5 m         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         Nominal voltage power AC max.       300 V		
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         Traversing distance (C-track)       5 m         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         Nominal voltage power AC max.       300 V		lead-free, CFC-free, halogen-free
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         Traversing distance (C-track)       5 m         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 $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega/\text{km}$ Electrical resistance coating wire (Data) $54 \Omega/\text{km}$ Nominal voltage power AC max. $300 \text{ V}$	Amount wires (Data)	2
Conductor crosssection wire (Data) 22 AWG  Material conductor wire (Data) copper stranded wire, tinned  Electrical function wire (data) Power  Traversing distance (C-track) 5 m  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 $\Omega$ ± 10 % @ 1 MHz  Electrical resistance line constant wire 78 $\Omega$ /km  Electrical resistance coating wire (Data) 54 $\Omega$ /km  Nominal voltage power AC max. 300 V	Amount strands wire (Data)	19
Material conductor wire (Data) copper stranded wire, tinned    Electrical function wire (data) Power    Traversing distance (C-track) 5 m    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 $\Omega \pm 10\% @ 1$ MHz    Electrical resistance line constant wire 78 $\Omega$ /km    Nominal voltage power AC max. 300 V	Diameter of single wires (Data)	22 AWG
Electrical function wire (data) Power  Traversing distance (C-track) 5 m  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 $\Omega$ ± 10 % @ 1 MHz  Electrical resistance line constant wire 78 $\Omega$ /km  Electrical resistance coating wire (Data) 54 $\Omega$ /km  Nominal voltage power AC max. 300 V	Conductor crosssection wire (Data)	22 AWG
Traversing distance (C-track) 5 m  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 $\Omega$ ± 10 % @ 1 MHz  Electrical resistance line constant wire 78 $\Omega$ /km  Electrical resistance coating wire (Data) 54 $\Omega$ /km  Nominal voltage power AC max. 300 V	Material conductor wire (Data)	copper stranded wire, tinned
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 $\Omega$ ± 10 % @ 1 MHz  Electrical resistance line constant wire 78 $\Omega$ /km  Electrical resistance coating wire (Data) 54 $\Omega$ /km  Nominal voltage power AC max. 300 V	Electrical function wire (data)	Power
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 $\Omega \pm 10 \%$ @ 1 MHz  Electrical resistance line constant wire 78 $\Omega/km$ Electrical resistance coating wire (Data) 54 $\Omega/km$ Nominal voltage power AC max. 300 V	Traversing distance (C-track)	5 m
Current load capacity min. Wire (Data) $6 \text{ A}$ Electrical function wire Data  Electrical function wire (data) Power  Characteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega / \text{km}$ Electrical resistance coating wire (Data) $54 \Omega / \text{km}$ Nominal voltage power AC max. $300 \text{ V}$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical function wire Data  Electrical function wire (data) Power  Characteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega / \text{km}$ Electrical resistance coating wire (Data) $54 \Omega / \text{km}$ Nominal voltage power AC max. $300 \text{ V}$	Current load capacity min. wire	4,5 A
Electrical function wire (data) Power  Characteristic impedance 120 $\Omega$ ± 10 % @ 1 MHz  Electrical resistance line constant wire 78 $\Omega$ /km  Electrical resistance coating wire (Data) 54 $\Omega$ /km  Nominal voltage power AC max. 300 V	Current load capacity min. Wire (Data)	6 A
Characteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega/\text{km}$ Electrical resistance coating wire (Data) $54 \Omega/\text{km}$ Nominal voltage power AC max. $300 \text{ V}$	Electrical function wire	Data
Electrical resistance line constant wire $78 \Omega/km$ Electrical resistance coating wire (Data) $54 \Omega/km$ Nominal voltage power AC max. $300 V$	Electrical function wire (data)	Power
Electrical resistance coating wire (Data) $54 \Omega/km$ Nominal voltage power AC max. $300 V$	Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Nominal voltage power AC max. 300 V	Electrical resistance line constant wire	78 Ω/km
	Electrical resistance coating wire (Data)	54 Ω/km
Electric capacitance (power) 40000 pF/km	Nominal voltage power AC max.	300 V
	Electric capacitance (power)	40000 pF/km



AC withstand voltage power (wire - shield)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	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   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m