

## M12 female 0° A-cod. with cable

PUR AWG24+22 shielded vt UL/CSA+drag ch. 12m

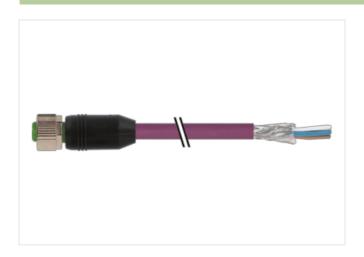
DeviceNet, CANopen Female straight M12, 5-pole A-coded

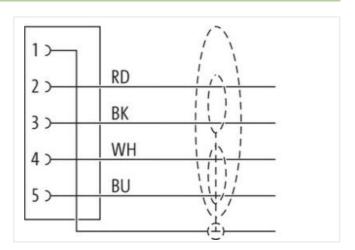
Plastic housings with good resistance against chemicals and oils.

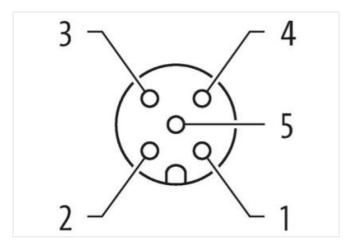
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

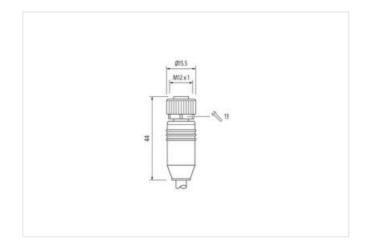
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

12 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: 2024-04-25



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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
	20 (1)111
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	4048879199551
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	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
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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Product standard	DIN EN 61076-2-101 (M12)
i ioduci standaru	DIN LIN 010/0-2-101 (W112)

Inabiation   Cable   Cable identification   863   Injured Color   violet	Product standard	DIN EN 61076-2-101 (M12)
Jacket Color   Violet	Installation   Cable	
Jacket Color   Violet	Cable identification	803
Type of Certificate   CURus		
Amount stranding 1 Stranding 2 wires bytelot Amount stranding (type 2) 1 Stranding (type 2) 2 Stranding (type 2) 2 Stranding (type 2) 2 Stranding (type 2) 2 Stranding (type 2) 3 Stranding (type 2) 4		
Stratcring         2 wires twisted           Amount standing (type 2)         1           Cable shieting (type)         coppor braid, finned           Cable shieting (type)         coppor braid, finned           Cable shieting (coverage)         65 %           Barding         Foil           Drain wire (cross-section)         22 AWG           wire arrangement         (white, blue), (black, red)           No. of bending cycles (C-rack)         1 Mio.           Cable weight         83.12 g/m           Material jacket         PUR           Shore hardness jacket         90 + 5 Shore A           Freedom from ingredients (jacket)         64 ± 5 %           Tolerance outer farmeter (feebalt)         5 %           Material wire insulation         PE           Amount wires         2           Outer diameter insulation         2,1 mm           Outer diameter insulation         2,1 mm           Outer diameter insulation         64 ± 5 Shore D           Ingredient freeness were insulation         64 ± 5 Shore D           Ingredient freeness were insulation         64 ± 5 Shore D           Ingredient freeness were insulation         64 ± 5 Shore D           Diameter of single wires         24 AWG           Canu		
Amount stranding (type 2)   2   Stranded joints twisted		
Stranding (type 2)   2 Stranded joints twisted		
Cable shielding (coverage)         copper braid, finned           Cable shielding (coverage)         65 %           Barading         Foil           Drain wire (cross-section)         22 AWO           No. of bending cycles (C-track)         1 Mo.           No. of bending cycles (C-track)         1 Mo.           Cable weight         65.12 g/m           Material Jacket         PUR           Shore hardness jacket         90 ± S Shore A           Freedom from incedents (jacket)         6.9 mm           Tolerance outer diameter (sexhet)         5.5 %           Material wire insulation         PE           Amount wires         2           Quiter diameter insulation         2.1 mm           Outer diameter insulation         2.5 %           North riskness wire insulation         2.5 %           Amount strands (wire)         19           Diameter of single wire         24 AWG           Conductor crosssection (wire)         24 AWG           Conductor or insulation (Data)         1.5 mm           Drain wire (cross-section)         22 AWG           Conducted diameter wire insulation (Data)         1.5 mm           Toler diameter wire insulation (Data)         1.5 mm           Drain wire (cross-section)		
Banding   Foil		·
Banding   Foil   Drain wire (cross-section)   22 AWG		
Drain wire (cross-section)   22 AWG		
wire arrangement         (white, blue), (black, rad)           No. of bonding cycles (C-track)         1 Mio.           Cable weigh         63,12 pm           Material jacket         PUR           Shore hardness 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           Outer diameter (jacket)         ± 5 %           Material were 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           Impedient freamess wire insulation         64 ± 5 Shore D           Impredient freamess wire insulation (wire)         19           Diameter of single wires         24 AWG           Conductor crossection (wire)         24 AWG           Oral wire (cross-section)         22 AWG           Outer diameter wire insulation (Data)         PE           Material vire insulation (Data)         PE           Outer diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (D		
No. of bending cycles (C-track)         1 Milo.           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         64 ± 5 Shore D           Ingredient freeness wire insulation         18 ± 5 Shore D           Ingredient freeness wire insulation         18 ± 5 Shore D           Ingredient freeness wire insulation (wire)         19           Diameter of single wires         24 AWG           Conductor cross-section (wire)         24 AWG           Drain wire (cross-section)         22 AWG           Material wire insulation (Data)         PE           Outer diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         ± 5 %           Ingredient freeness wire insulation (Data)		
Cable weigh         63.12 g/m           Material jacket         PUR           Shore hardness jacket         90.15 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 (shall)         ± 5 %           Material wire insulation         PE           Amount wires         2           Outer diameter lolerance core insulation         ± 5 %           Shore hardness 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         64 ± 5 Shore D           Ingredient freeness wire insulation         24 AWG           Conductor crosssection (wire)         24 AWG           Drain wire (cross-section)         22 AWG           Material vive insulation (Data)         PE           Under diameter wire insulation (Data)         PE           Outer diameter wire insulation (Data)         1.5 mm           Tolerance outer diameter wire insulat		
Material jacket         PUR           Shore hardness jacket         90 ± S Shore A           Freedom from ingredients (jacket)         190 ± S Shore A           Freedom from ingredients (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         19 9           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Conductor wire (sheath)         22 AWG           Material conductor wire (copper stranded wire, finned         24 AWG           Material conductor wire (sheath)         22 AWG           Material wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         19           Diameter of single wires (Data)         2		
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 losterance core insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 5 Shore D           Ingredient freeness wire insulation         64 ± 4 Shore D           Ingredient freeness wire insulation         64 ± 4 WG           Onductor crosssection (wire)         19           Diameter of single wires         24 AWG           Orall 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)         ± 25 %           Ingredient free		
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         ± 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 surfactor wire insulation (but a)         25 mm           Electrical function wire         Data           Material wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulat	•	
Tolerance outer diameter (sheath)		
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 wire insulation (brie)         24 AWG           Duter diameter wire insulation (Data)         PE           Outer diameter 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)         1 lead-free, CFC-free, halogen-free           Amount wires (Data)         2           Amount strands wire (Data)         19           Diameter of single wires (Data)         22 AWG           Conductor crossection wire (Data)         22 AWG           Conductor wire (Data)         20 AWG           Conductor wire (Data)         6 Me		•
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 vire 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 Material conductor wire (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) 20 AWG Material conductor wire (Data) 20 AWG Conductor crosssection wire (Data) 20 AWG Material conductor wire (Data) 30 AWG Material conductor wire (Data) 4,5 A Current load capacity min. Wire (Data) 5 A MC Minumal vilada (Data) 5 AWG Minumal vilada (Data) 6 A Minumal vilada (D		
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, finned           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)         1,5 mm           Ingredient freeness wire insulation (Data)         2 & 3 %           Ingredient freeness wire insulation (Data)         19           Diameter of single 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 wire insulation (Wire	-	
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           Ingredient freeness wire insulation (Data)         19           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           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current		
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)         1,5 mm           Tolerance outer diameter wire insulation (Data)         1,5 mm           Tolerance outer diameter wire insulation (Data)         1ead-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)         Power           Charact		· · · · · · · · · · · · · · · · · · ·
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  Data (manufacture) 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) 29 AWG  Conductor crosssection wire (Data) 29 AWG  Material conductor 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  Current load capacity min. wire Data  Electrical function wire (Data) Power  Current load capacity min. wire A,5 A  Current load capacity min. wire Data  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		
Amount strands (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 Ingredient freeness wire insulation (Data) 1ead-free, CFC-free, halogen-free Amount wires (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 2 2 AWG Conductor crosssection wire (Data) 2 2 AWG Material conductor wire (Data) Electrical function wire (Data) Power Traversing distance (C-track) 5 m Current load capacity (standard) Current load capacity min. wire A,5 A Electrical function wire (Data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance locating wire (Data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance locating wire (Data) Powm Nominal voltage power AC max. 300 V	-	
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 (Data)       6 A         Electrical function wire       Data         Electrical function wire (data)       Power         Characteristic impedance       120 Ω±10 % 0 1 MHz         Electrical resistance li	-	
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 (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		
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)       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 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  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         Gurrent 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  Clarchical function wire (data) Power  Electrical function 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) Power  Characteristic impedance 120 $\Omega$ ± 10 % @ 1 MHz  Electrical resistance coating wire (Data) 54 $\Omega$ /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) Power  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		
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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	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 $\Omega \pm 10\%$ @ 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	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 $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega/\text{km}$ Electrical resistance coating wire (Data) $54 \Omega/\text{km}$ Nominal voltage power AC max. $300 \text{ V}$		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 $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ 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 (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

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: 2024-04-25



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   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 torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	+ 30 °/m