

M12 female 0° B-cod. with cable shielded

PUR AWG24+22 shielded vt UL/CSA+drag ch. 1.85m

Female straight M12, 4-pole

B-coded

shielded

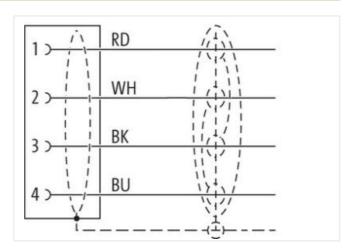
Plastic housings with good resistance against chemicals and oils.

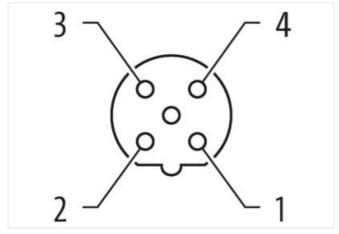
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

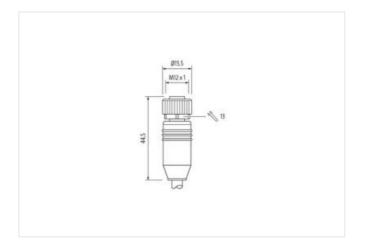
Link to Product

Illustration









Product may differ from Image













Cable length

1,85 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: 2024-05-06



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
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	4048879650755
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 AC (UL-listed) Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
	44
Installation Connection	
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	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	C C
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-06



stay connected

Installation Cable	Conformity	
Cable Inferitation 803 Justice Color Violet Type of Cartification CUPTus Amount stranding 1 Stranding 2 wires invisited Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded (jints twisted Cable shelding (type) copper braid, linned Cable shelding (growing) 65 % Banding Foll Drain war (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 6 m Cable weigh 65.31 2 m Material picket PUR Shore hardness picket PUR Freedom from impredents (picket) 6.9 mm Traversing (sietang) 6.9 mm Traversing in sietalism FE Practicum from impredents (picket) 6.9 mm Outer-damenter (picket) 6.9 mm Dutar damenter insulation 2.1 mm Outer damenter insulation 2.4 5 Shroro D Impredent freeness wire insulation 2.4 3 Shroro D	•	DINI EN 64076 0 404 (M40)
Cable identification 803 Jacklet Color violet Type of Certificate CUPUs Amount stranding 1 Stranding (Type 2) 1 Stranding (Type 2) 2 Strande joints twisted Gable shielding (type) coppor braid, finned Gable shielding (type) coppor braid, finned Gable shielding (coverage) 65 % Banding Foll Drain wire (coss-section) 22 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Sale weight 63,12 g/m Markenial jacket PUR Store hardness (asket) 90 t 5 Shore A Store hardness (asket) 90 t 5 Shore A Store hardness (asket) 90 t 5 Shore A Tocker, damater (asket) 5 5 mm Outer disented (release) 5 5 mm Mational wire insulation PE Amount wires 2 Outer disented (release) 2 1 mm Outer disented (release (asket) 2 5 % Marinal wire insu		DIN EN 61076-2-101 (M12)
Jacket Color Violet Viol	Installation Cable	
Type of Certificate cURus Ancount stranding 1	Cable identification	803
Amount stranding 1 Stranding (type 2) 2 Stranding (type 2) 3 Stranding (type 2) 3 Stranding (type 2) 4 Stranding (type 2) 5 Stranding (type 2) 6 Stranding (type 3) 6 Stranding (type 3) 6 Stranding (type 3) 6 Stranding (type 4) 6	Jacket Color	violet
Stranding (type 2) 1 Amount stranding (type 2) 1 Stranding (type 2) 2 2 Stranded joints twisted Cable shelding (type) 2 copper braid, tinned Cable shelding (type) 56 % Banding Foll Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Cable weight (cross-section) 23 AWG Material jacket PUR Shore hardness wire insulation PE Amount wires 2 2 Cuber diameter (sheath) 5 % Material wore insulation PE Amount stranding wires PUR Shore hardness wire insulation PE Amount stranding wire insulation PE Amount stranding wire insulation PE Amount stranding wire purpose pu	Type of Certificate	cURus
Amount stranding (type 2) 1 Siranding (type 2) 2 Siranded joints twisted Cable shielding (coverage) 65 % Bandring (Free 2) 2 AWG Cable shielding (coverage) 65 % Bandring Feb Bandring Ban	Amount stranding	1
Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, timod Cable shielding (type) copper braid, timod Cable shielding (coverage) 65 % Cable shielding (coverage) Cable shi	Stranding	2 wires twisted
Cable shelding (type) copper braid, tinned Cable shelding (coverage) 6.5 % Banding Foil Drain wire (cross-section) 2.2 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Cable weight 63.12 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (gacket) 1.5 % Curer-disameter (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 64 ± 2 Shore D Ingredient freeness wire insulation 19 24 AWG Conductor cross-section (wire) 24 AWG Conductor cross-section (wire) 24 AWG Drain wire (cross-section) 22 AWG Material function wire Copper stranded wire, tinned <	Amount stranding (type 2)	
Cable shielding (coverage) 65 % Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Cable weigh 63,1 g /m Material palcket 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) 6,3 mm Toferance outer diameter (sheath) 4.5 % Material wire insulation PE Amount wires 2 Cuter diameter industion 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 Diameter of single wires 24 AWG Conductor cross-section (wire) 19 Diameter of single wires 24 AWG Conductor wire Copper standed wire, tinned Electrical function wire Data Material vive insulation (Data) <	Stranding (type 2)	2 Stranded joints twisted
Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Cable weight 63.12 g/m Material jacket PUR Shore hardness jacket 90.1 5 Shore A Freedom from ingredients (jacket) 1 80.1 5 Shore A Cluer-disameter (jacket) 6.9 mm Tolerance outer diameter (scheath) 1.5 % Material wire insulation PE Amount wires 2 Outer diameter insulation 2.1 mm Outer diameter insulation 64.2 5 Shore D Ingredient freeness wire insulation 64.2 5 Shore D Ingredient freeness wire insulation 64.4 5 Shore D Ingredient freeness wire insulation 64.4 6 AWG Ornductor cross-section (wire) 19 Diameter of single wires 2.4 AWG Drain wire (cross-section) 2.2 AWG Material conductor wire 2.2 AWG Conductor cross-section (wire) 2.4 AWG Drain wire (cross-section) 2.2 AWG <t< td=""><td>Cable shielding (type)</td><td>copper braid, tinned</td></t<>	Cable shielding (type)	copper braid, tinned
Drain wine (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Cable weigth 63.12 g/m Material jacket PUR Shore hardress 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 Tolorance outer diameter (sheath) ± 5 % Material vive insulation PE Amount wires 2 Quiter diameter insulation 2,1 mm Outer diameter insulation ± 5 % Shore hardress wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation 64 ± 5 MWG Oranius francis (wire) 19 Diameter of single wires 24 AWG Oranius or crasssection (wire) 24 AWG Drain wire (cross-section) 22 AWG Material conductor wire Data Electrical function wire Data Material conductor wire insulation (Data)	Cable shielding (coverage)	65 %
wire arrangement (white, blue), (black, red) Traversing distance (C-track) 5 m Cable weight 63,12 g/m Material jacket PUR Shore hardness jacket 99 ± 5 Shore A Freedom from ingredients (jacket) 90 ± 5 Shore A Freedom from ingredients (jacket) 10,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 2 Couter diameter insulation PE Amount wires 2 Couter diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG Drain wire insulation (bdata) ± 53 % Material wire insulation wire (bdata) 1.5 mm Tolerance outer diameter wire insulation (bdata) ± 53 % Ingredient freeness wire insulation ead-free, CFC-free, halogen-free Amount strands (wire) 19 Datameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG Material conductor wire 24 AWG Drain wire insulation (Ddata) 1.5 mm Tolerance outer diameter wire insulation (Ddata) 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) 22 AWG Material conductor wire (Ddata) 22 AWG Material conductor wire (Ddata) 22 AWG Conductor crosssection wire (Ddata) 22 AWG Material function wire (Ddata) 20 AWG Material function wire (Ddata) 20 AWG Current load capacity min. Wire (Data) 20 AWG Current load capacity min. wire (Ddata) 20 AWG Current load capaci	Banding	Foil
Traversing distance (C-track) 5 m 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 % to 5 bore D 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 opper stranded wire, tinned Electrical function wire bata Material wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) ± 5 % Amount strands wire (Data) 2 D	Drain wire (cross-section)	22 AWG
Cable weigth 63,12 g/m Material jacket PUR Material jacket 90 ± S Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Toflerance outer diameter (sacket) 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 crossection (wire) 24 AWG Drain wire (cross-section) 22 AWG Material work in insulation (bata) PE Material wire insulation (Data) PE Under diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) 2,2 mm Under diameter wire insulation (Data) 2,2 WG Conductor crossection wire (Data) 2,2 WG Diameter of single wires (Data) 2,2 WG <	wire arrangement	(white, blue), (black, red)
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedon from Ingredients (jacket) 6,9 mm Tollerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 2 Outer diameter insulation ± 1 mm Outer diameter rolerance core insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation ± 4 ± 5 Shore D Ingredient freeness wire insulation ± 4 ± 5 Shore D Ingredient freeness wire insulation ± 4 WG Conductor crosssection (wire) ± 4 WG Drain wire (cross-section) ± 24 WG Drain wire (cross-section) ± 24 WG Drain wire (cross-section) ± 2 WG Material conductor wire copper stranded wire, tinned Electrical function wire ± 5 % Amount strands wire (bata) ± 5 % Tolerance outer diameter wire insulation (data) ± 5 % Ingredient freeness were insulation (bata) ± 5 % Tollerance o	Traversing distance (C-track)	5 m
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jaket) ± 5 % Material wire insulation PE Amount wires 2 Outer diameter insulation ± 1 mm Outer diameter substation ± 5 % Shore hardness wire insulation ± 5 % one D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires ± 4 AWG Conductor crossaction (wire) ± 4 AWG Drain wire (cross-section) ± 2 AWG Drain wire (cross-section) ± 2 AWG Outer diameter wire insulation (Data) pE Uter diameter wire insulation (Data) pE Uter diameter wire insulation (Data) ± 5 % Ingredient freeness wire insulation (Data) ± 5 m Ingredient freeness wire insulation (Data) ± 5 m Ingredient freeness wire insulation (Data) ± 6 % Ingredient freeness wire insulation (Data) ± 6 % Ingredient freeness wire (Data)	Cable weigth	63,12 g/m
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 Under diameter tolerance core insulation ± 5 % Shore hardness wire insulation lead-free, CFC-free, halogen-free 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 (Mata) 1,5 mm Ingredient freeness wire insulation (Data) 2 Amount strands wire (Data) 2 Diameter of single wires (Data) 22 AWG Conductor crosssection w	Material jacket	PUR
Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 2 Outer diameter Insulation ± 5 % Shore flameter 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 vire insulation (Data) PE User diameter wire insulation (Data) PE 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 wires (Data) 19 Diameter of single wires (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor wire (Data)	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Outer diameter insulation 2,1 mm Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG Material duriculor wire (cross-section) 22 AWG Auterial wire insulation (Data) PE Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) 2,5 mm Ingredient freeness wire insulation (Data) 2 AWG Ingredient freeness wire (Data) 2 AWG Ingredient freeness wire (Data) 2 AWG Conductor crosssection wire (Data) 2 AWG Current load capacity min. Wire (Data) 6 A Electrical function wire (Data) 70 AWG 1 MHz Electrical function wire (Data) 1 AWG 1 MHz	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PE Amount wires 2 Outer dameter insulation 2,1 mm Outer dameter tolerance core insulation ± 5 % Shore hardness 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) 1,5 mm Tolerance outer diameter wire insulation (Data) 1,2 mm Ingredient freeness wire insulation (Data) 19 Diameter of single wires (Data) 2 Amount strands wire (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Conductor wire (Data) 22 AWG Conductor wire (Bata) Power	Outer-diameter (jacket)	6,9 mm
Amount wires 2 Outer diameter insulation 2,1 mm Outer diameter loberance 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) PE Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) 16 mm Ingredient freeness wire insulation (Data) 18 Amount strands wire (Data) 2 Diameter of single wires (Data) 19 Diameter of wire (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Material conductor wire (Data) copper stranded wire, tinned <td>Tolerance outer diameter (sheath)</td> <td>±5%</td>	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 2,1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG Material conductor wire copper stranded wire, tinned Electrical function wire pata Material wire insulation (Data) PE Outer diameter wire insulation (Data) PE Outer diameter wire insulation (Data) ± 53 % Ingredient freeness wire insulation (Data) ± 62 - Free, halogen-free Amount wires (Data) 2 Amount strands wire (Data) 2 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Material unction wire (data) Power Nominal voltage AC max. 300 V Current load capacity min. Wire (Data) 6 A	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG Material conductor wire copper stranded wire, tinned Electrical function wire Data Material wire insulation (Data) PE Outer diameter 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 Ingredient freeness wire insulation (Data) 19 Diameter of single wires (Data) 2 Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Material voltage AC max. 30 V Current load capacity (standard) to DIN VEC 0298-4 Current load capacity (standard	Amount wires	2
Shore hardness wire insulation 64 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG Material conductor wire Electrical function wire Data Material wire insulation (Data) 7 Defended 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 per dient freeness wire insulation (Data) 1 per dient freeness wire insulation (Data) 1 per dient freeness wire (Data) 2 Amount wires (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 2 AWG Conductor crosssection wire (Data) 2 AWG Conductor wire (Data) 2 AWG Auterial conductor wire (Data) 2 AWG Conductor wire (Data) Amount wires (Data) 2 AWG Conductor wire (Data) 2 AWG Conductor wire (Data) Conductor wire (Data) 2 AWG Conductor wire (Data) Condu	Outer diameter insulation	2,1 mm
Ingredient freeness wire insulation Ingredient freeness wire insulation Iead-free, CFC-free, halogen-free 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 vire insulation (Data) PE Outer diameter wire insulation (Data) 1,5 mm Tolerance wire i	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG 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 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) 22 AWG Material conductor wire (Data) 20 Oper stranded wire, tinned Electrical function wire (Data) 20 Oper stranded wire, tinned Electrical function wire (data) Power Nominal voltage AC max. 300 V Current load capacity min. wire 4,5 A Current load capacity min. wire	Shore hardness wire insulation	64 ± 5 Shore D
Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Drain wire (cross-section) 22 AWG 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) 1ead-free, CFC-free, halogen-free Amount wires (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 Material function wire (Data) 20 AWG Material struction wire (Data) 20 AWG Material vollage 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) Power Current load capacity min. Wire (Data) 6 A Electrical function wire (data) Power <	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
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) 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	Amount strands (wire)	19
Drain wire (cross-section) 22 AWG Material conductor wire copper stranded wire, tinned Electrical function wire Data Material wire insulation (Data) PE Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) ± 53 % Ingredient freeness wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Nominal voltage AC max. 300 V Current load capacity standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current load capacity min. Wire (Data) 6 A Electrical function wire (data) Power Characteristic impedance 120 Ω±10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km	Diameter of single wires	24 AWG
Material conductor wire copper stranded wire, tinned Electrical function wire Data Material wire insulation (Data) PE Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) ± 53 % Ingredient freeness wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current load capacity min. Wire (Data) 6 A Electrical function wire (data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km	Conductor crosssection (wire)	24 AWG
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) coper 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) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km	Drain wire (cross-section)	22 AWG
Material wire insulation (Data)PEOuter diameter wire insulation (Data)1,5 mmTolerance outer diameter wire insulation (data) \pm 53 %Ingredient freeness wire insulation (Data)lead-free, CFC-free, halogen-freeAmount wires (Data)2Amount strands wire (Data)19Diameter of single wires (Data)22 AWGConductor crosssection wire (Data)22 AWGMaterial conductor wire (Data)22 AWGMaterial conductor wire (Data)copper stranded wire, tinnedElectrical function wire (data)PowerNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 ACurrent load capacity min. Wire (Data)6 AElectrical function wire (data)PowerCharacter load capacity min. Wire (Data)70 AugCharacteristic impedance120 $\Omega \pm$ 10 % @ 1 MHzElectrical resistance line constant wire78 Ω /km	Material conductor wire	copper stranded wire, tinned
Material wire insulation (Data)PEOuter diameter wire insulation (Data)1,5 mmTolerance outer diameter wire insulation (data) \pm 53 %Ingredient freeness wire insulation (Data)lead-free, CFC-free, halogen-freeAmount wires (Data)2Amount strands wire (Data)19Diameter of single wires (Data)22 AWGConductor crosssection wire (Data)22 AWGMaterial conductor wire (Data)22 AWGMaterial conductor wire (Data)copper stranded wire, tinnedElectrical function wire (data)PowerNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 ACurrent load capacity min. Wire (Data)6 AElectrical function wire (data)PowerCharacter load capacity min. Wire (Data)70 AugCharacteristic impedance120 $\Omega \pm$ 10 % @ 1 MHzElectrical resistance line constant wire78 Ω /km	Electrical function wire	Data
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 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) Power Characteristic impedance 120 $\Omega \pm 10\% \otimes 1$ MHz Electrical resistance line constant wire 78 Ω /km	Material wire insulation (Data)	PE
Ingredient freeness wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Current load capacity min. Wire (Data) 6 A Electrical function wire (data) Power Electrical function wire (data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km	Outer diameter wire insulation (Data)	1,5 mm
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) Power Electrical function wire (Data) 6 A Electrical function wire (Data) 70 August 100 Aug	Tolerance outer diameter wire insulation (data)	± 53 %
Amount strands wire (Data) Diameter of single wires (Data) Conductor crosssection wire (Data) Amount strands wire (Data) 22 AWG Conductor crosssection wire (Data) Electrical function 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 $\Omega \pm 10\% @ 1 \text{ MHz}$ Electrical resistance line constant wire 78 Ω /km	Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Diameter of single wires (Data)22 AWGConductor crosssection wire (Data)22 AWGMaterial conductor wire (Data)copper stranded wire, tinnedElectrical function wire (data)PowerNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 ACurrent load capacity min. Wire (Data)6 AElectrical function wireDataElectrical function wire (data)PowerCharacteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega/\text{km}$	Amount wires (Data)	2
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	Amount strands wire (Data)	19
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 $\Omega \pm 10$ % @ 1 MHz Electrical resistance line constant wire 78 Ω /km	Diameter of single wires (Data)	22 AWG
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 $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega / \text{km}$	Conductor crosssection wire (Data)	22 AWG
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 $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega / \text{km}$	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 Ω /km	Electrical function wire (data)	
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 Ω /km	Nominal voltage AC max.	300 V
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 $78 \Omega/\text{km}$	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 $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega / \text{km}$	Current load capacity min. wire	
Electrical function wire Data Electrical function wire (data) Power Characteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega \text{/km}$	Current load capacity min. Wire (Data)	
Electrical function wire (data) Power Characteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega/\text{km}$		
Characteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega \text{/km}$	Electrical function wire (data)	
Electrical resistance line constant wire 78 Ω/km	, ,	
	<u> </u>	
	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
Travel speed (C-track)	1 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min