

M12 male 0° / M12 female 0° A-cod. V4A

PUR AWG24+22 shielded bk UL/CSA+drag ch. 3m

Art.No.: 7004-40531-8380300

Weight: 0.238 Country of origin: CZ

Model designation: MSBL0-A-U838 3.0-S04

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details:

M12 - M12, 5-pole

Male straight – female straight

A-coded

Stainless steel 1.4404 (V4A)

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

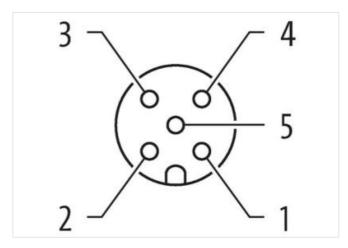
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

Link to Product

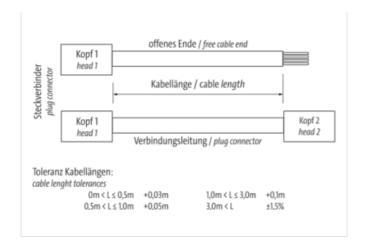
Illustration

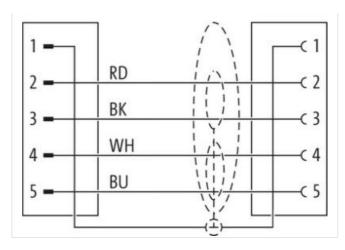


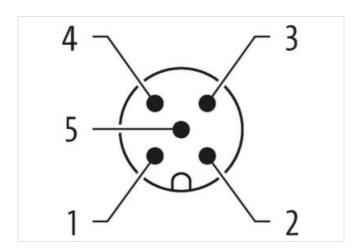


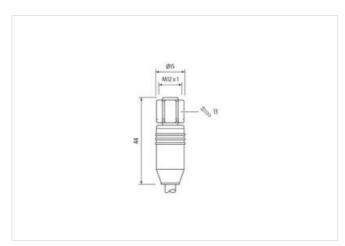


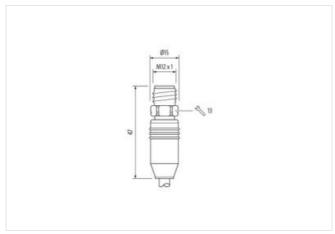
stay connected











Product may differ from Image





Cable length 3 m Side 1 **Tightening torque** 0,6 Nm



stay connected

Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	5
	·
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879485500
EAN	4048879485500
Packaging unit	1
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
Diagnostics	
Status indication LED	no
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	
Material housing	PUR
Material gasket	FKM
-	



stay connected

Mounting method mented, screwed, Shaking protection	Locking material	Stainless steel 1.4404 (V4A)
Inserted, screwed, Shaking protection Inserted Inserted, screwed, Shaking protection Inserted, screwed, Shaking protection Inserted, screwed, Shaking protection Inserted, screwed, Shaking protection Inserted, Shak	Mechanical data Mounting data	
Provision temperature min. 25 °C Coperating temperature mins. 25 °C Coperating temperature max. 26 °C Coperating maintain relief 27 °C Coperating maintain relief 27 °C Coperating maintain relief 27 °C Coperating maintain relief 28 °C		inserted, screwed, Shaking protection
Operating temperature min. -25 °C Operating temperature mane. 85 °C Additional condition temperature range important installation notes depending on cable quality Note on stain relief Protect the connectors by suitable measures from mechanical toads, e.g. by the usage of cable ites. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Froduct standard ININ EN 81075-2-101 (M12) Installation (Cable Winter Standard (M14) BSB Value (Carlicate) 488 PURCHAIN (Carlicate) Cable identification 838 PURCHAIN (Carlicate) Cable identification (Cable 489 PURCHAIN (Carlicate) Viral (Carlicate) 480 PURCHAIN (Carlicate) Cable identification (Cable) 180 PURCHAIN (Carlicate) Type of Certificate 480 PURCHAIN (Carlicate) Stranding (Yee) 2 Stranded joints around Hatcher strand twisted Cable shielding (type) 2 Stranded joints around Hatcher strand twisted Cable shielding (type) 65 °S Cable shielding (type) 6		3,
Operating temperature max. 85 °C Additional condition temperature range important installation notes depending on cable quality Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii. Use of Cable deficitions 2 straded places, red Use of Cable definitions 2 straded places, red <tr< td=""><td></td><td>05.00</td></tr<>		05.00
Additional condition temperature range depending on cable quality Important Installation notes Vote on a strain rele Potect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on sharin rele Product a modernal production of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard (white, blue), (black, red) Cable identification [Cable Winter a trangement (white, blue), (black, red) Cable identification [Papera] Bybrid, Data, Power Jacket Color black Type of Cartificate Cybra (Cartificate) 2 (constituent) Type of Cartificate Cybra (Cartificate) 2 (constituent) <th< td=""><td></td><td></td></th<>		
Important installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Aftention: Observe the permissible bending radii when laying cables, as the IP protection class can be ordangered by excessive bending forces. Product standard DIN EN 61076-2-101 (M12) Installation Cable White, blue), (black, red) Cable identification 83 Function cable Hybrid, Data, Power Jacket Color black Type of Certificate CURus Amount stranding 2 Stranding (type 2) 1 Stranding (type 2) 2 Stranding (type 2) 2 Stranding (type 2) 2 Stranding (type 2) 2 Stranding (type 2) 1 Stranding (type 2) 2 Stranding (type 2) 65 % Banding Foil Cable shiekling (coverage) 65 % Banding Foil Drain wire (cross-section) 22 AWG Material jacket PUR Freedon from inspetients (jacket) lead-free, CFC-fr		
Note on strain relief Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard (bit Note 1076-2-101 (M12) Initialiation Cable Wiria arrangement (white, blue), (black, red) Cable identification 383 Function cable (bit Note 1076-2-101 (M12) Jacket Color (bit Note 1076-2-101 (M12) Jacket Jacket (bit Note 1076-2-101 (M12) Jacket	Additional condition temperature range	depending on cable quality
Note on bending radius and Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Product standard DIN EN 61076-2-101 (M12) Installation Cable Write arrangement (white, blue), (black, red) Cable identification as 38 Function cable Hybrid, Data, Power Jacket Color (black) Type of Certificate (JRUs) Amount stranding (2) Stranding 2 wires twisted Amount stranding (type 2) 1 Stranded (Joints around Hatchet strand twisted Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (coverage) 55 % Banding Freedom from ingredients (jacket) [Back-red) Cable weight 63,12 g/m Material jacket Pur Pur Freedom from ingredients (jacket) [Back-red, CFC-free, hallogen-free Outer-cliameter (scheath) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Material wire insulation (Data) PE Daria wire (ross-section) 2 AWG Daria	Important installation notes	
endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement (white, blue), (black, red) Cable identification Bas Function cable Hybrid, Data, Power Jacket Color black Type of Certificate (URus Amount stranding 2 2 Stranding 2 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 2 stranded joints around Hatchet strand twisted Cable shielding (type) 2 2 proper braid, finned Cable shielding (coverage) 65 % Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weigh 63,12 gm Material Jacket PUR Precdom from ingredients (jacket) 1 ead-free, CFC-free, halogen-free Outer-diameter (jacket) 2 AWG Material wire insulation (Data) 2 PE Drain wire (cross-section) 2 AWG Material wire insulation (Data) 2 AWG Material wire insulation (Data) 1 p Diameter of single wires (Data) 2 AWG Material wire insulation (Data) 1 p Diameter of single wires (Data) 2 AWG Material wire insulation (Data) 1 p Diameter of single wires (Data) 2 AWG Material wire insulation (Data) 1 p Diameter of single wires (Data) 2 AWG Material wire insulation (Data) 1 p Diameter of single wires (Data) 2 AWG Material wire insulation (Data) 1 p Diameter of single wires (Data) 2 AWG Conductor crossection wire (Data) 2 AWG Material wire insulation (Data) 1 p Diameter of single wires (Data) 2 AWG Conductor crossection wire (Data) 3 Cabre, CFC-free, halogen-free Amount strands wire (Data) 4 AWG Conductor crossection wire (Data) 5 S S International Covers of the single wires (Data) 6 S S Material wire insulation (Power) 1,5 mm Jead-free, CFC-free, halogen-free Amount strands wire (Data) 2 AWG Material wire insulation (Power) 1,5 mm Jead-free, CFC-free, halogen-free Amount strands wire (Data) 2 AWG	Note on strain relief	
Product standard DIN EN 61076-2-101 (Mt 2) Instaliation Cable wire arrangement (white, blue), (black, red) Cable identification 838 Function cable Hybrid, Data, Power Jacket Color black Type of Certificate CUBus Amount stranding 2 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints around Hatchet strand twisted Cable shielding (towerage) 65 % Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weight 63,12 g/m Mineral jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 92 AWG Orian wire (cross-section) 22 AWG Material wire insulation (Data) PE Orian wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) 19	Note on bending radius	
Installation Cable wire arrangement (white, blue), (black, red) Cable (elentification) 838 Function cable Hybrid, Data, Power Jacket Color black Type of Certificate cURus Amount stranding 2 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints around Hatchet strand twisted Cable shielding (coverage) 65 % Banding Foll Drain wire (cross-section) 22 AWG Write arrangement (white, blue), (black, red) Cable shield lag (ket) 63,7 g/m Material jacket PUR Freedom from ingredients (jacket) 6,9 mm Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) ± 5 % Drain wire (cross-section) 22 AWG Waterial swire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) 2,5 % Urer diameter wire insulation (Pota) 2,5 % Ingredient freeness wire insulation (Pota)	Conformity	
wire arrangement (white, blue), (black, red) Cable identification 838 Function cable Hybrid, Data, Power Jacket Color black Type of Cartificate cURus Amount stranding 2 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints around Hatchet strand twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weight 63.12 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 69 mm Tolerance outer diameter wire insulation 2.1 mm Tolerance outer diameter wire insulation 2.1 mm Tolerance outer diameter wire insulation (Data) 2.1 mm Tolerance outer diameter wire insulation (Data) 2.5 % Ingredient freeness wire insulation (Data)	Product standard	DIN EN 61076-2-101 (M12)
Cable identification 838 Function cable Hybrid, Data, Power Jacket Color black Type of Certificate cURus Amount stranding 2 Stranding 2 wires twisted Amount stranding (type 2) 1 Cable shielding (type) 2 Stranded joints around Hatchet strand twisted Cable shielding (type) 65 % Banding Foil Prain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weight 63,12 g/m Freedom from ingredients (jacket) PUR Freedom from ingredients (jacket) 180 mm Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) 22 AWG Material wire insulation (Data) PE Outer-diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) 2,5 % Ingredient freeness wire insulation (Data) 2,5 % Ingredient freeness wire insulation (Data) 24 AWG Outer diameter wire insulation (Power) 24 AWG	Installation Cable	
Cable identification 838 Function cable Hybrid, Data, Power Jacket Color black Type of Certificate cURus Amount stranding 2 Stranding 2 wires twisted Amount stranding (type 2) 1 Cable shielding (type) 2 Stranded joints around Hatchet strand twisted Cable shielding (type) 65 % Banding Foil Prain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weight 63,12 g/m Freedom from ingredients (jacket) PUR Freedom from ingredients (jacket) 180 mm Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) 22 AWG Material wire insulation (Data) PE Outer-diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) 2,5 % Ingredient freeness wire insulation (Data) 2,5 % Ingredient freeness wire insulation (Data) 24 AWG Outer diameter wire insulation (Power) 24 AWG	wire arrangement	(white, blue), (black, red)
Punction cable		
Jacket Color Dlack		
Type of Certificate cURus Amount stranding 2 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded Joints around Hatchet strand twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Bandling Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weigth 63,12 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jackety) 6,9 mm Tolerance outer diameter (sheath) 2.1 Mm Tolerance outer diameter wire insulation (Data) PE Outer diameter wire insulation (Data) 2.1 mm Tolerance outer diameter wire insulation (Data) 1 lead-free, CFC-free, halogen-free Amount wires (Data) 2 kawG Amount strands wire (Data) 19 Diameter of single wires (Data) 24 AWG Conductor crosssection wire (Data) 24 AWG Conductor pring wire		<u> </u>
Amount stranding 2 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints around Hatchet strand twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weigth 63,12 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) 2 5 % Drain wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) PE Outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) 2,5 % Ingredient freeness wire insulation (Data) 19 Ingredient freeness wire insulation (Data) 19 Diameter of single wires (Data) 24 AWG Conductor crosssection wire		
Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 stranded joints around Hatchet strand twisted Cable shielding (type) copper braid, tinned Cable shielding (type) 65 % Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weigth 63,12 g/m Material jacket PUR Freedom from ingredients (facket) 6,9 mm Outer-diameter (facket) 6,9 mm Tolerance outer diameter (sheath) 25 % Drain wire (cross-section) 22 AWG Material wire insulation (Data) 2.1 mm Tolerance outer diameter wire insulation (Data) 2.1 mm Tolerance outer diameter wire insulation (Data) 2.1 mm (data) 1.5 % Ingredient freeness wire insulation (Data) 2 Amount wires (Data) 2 Amount strands wire (Data) 2.4 AWG Conductor crossection wire (Data) 2.4 AWG Conductor wire (Data) copper stranded wire, tinned <		
Amount stranding (type 2) 2 Stranded joints around Hatchet strand twisted Cable shielding (type) copper braid, finned Cable shielding (coverage) 65 % Banding Foll Drain wire (cross-section) 22 AWG wite arrangement (white, blue), (black, red) Cable weight 63,12 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) 2,1 mm Outer-diameter wire insulation (Data) PE Outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) 19 Diameter of single wires (Data) 2 4 AWG Amount strands wire (Data) 24 AWG Conductor cross-section wire (Data) 24 AWG Material wire insulation (Power) PE Outer diameter wire insulation (Data) 19 Diameter of single wires (Data) 24 AWG Conductor cross-section wire (Data) 24 AWG Conductor wire insulation (Power) PE Outer diameter wire insulation (Power) PE Amount strands wire (Power) PE Outer diameter wire insulation (Power) PE Amount strands wire (Power) PE Outer diameter wire insulation (Power) PE Outer diam		
Stranding (type 2) 2 Stranded joints around Hatchet strand twisted		
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weigth 63.12 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) 25 % Drain wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) PE Outer diameter wire insulation (Data) PE Outer diameter (sheath) 2.1 mm Tolerance outer diameter (sheath) 2.5 % Ingredient freeness wire insulation (Data) 2.5 % Ingredient freeness wire insulation (Data) 2.2 Ingredient freeness wire (Data) 2.4 Amount strands wire (Data) 2.4 Diameter of single wires (Data) 2.4 AWG Conductor crossection wire (Data) copper stranded wire, tinned Material wire insula		
Cable shielding (coverage) 65 % Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weigth 63,12 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) ± 5 % Drain wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) lead-free, CFC-free, halogen-free Amount strands wire (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 24 AWG Material wire insulation (Power) 24 AWG Material wire insulation (Power) PE Outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) 25 % Outer diameter wire insulation (Power) 25 mm		<u> </u>
Banding Foil Drain wire (cross-section) 22 AWG wire arrangement (white, blue), (black, red) Cable weight 63,12 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) 25 % Drain wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) 2,1 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) 24 AWG Material wire insulation (Power) 15 mm Tolerance outer diameter wire insulation (Power) 19 Ingredient freeness wire insulation (Power) 19 Diameter of single wires (Power) 19		
Drain wire (cross-section) wire arrangement (white, blue), (black, red) Cable weigth 63,12 g/m Material jacket PUR Freedom from ingredients (jacket) 0uter-diameter (jacket) Cable weigth 6,9 mm Tolerance outer diameter (sheath) Tolerance outer diameter (sheath) Drain wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) PE Outer diameter wire insulation (Data) Ingredient freeness wire insulation (Data) Diameter of single wires (Data) Atterial wire (Data) Desperation outer of single wires (Data) Atterial wire insulation (Power) PE Outer diameter wire insulation (Data) 19 Diameter of single wires (Data) Atterial conductor wire (Data) 24 AWG Atterial conductor wire (Data) Atterial wire insulation (Power) PE Outer diameter wire insulation (Power) Atterial wire insulation (Power) Atterial wire insulation (Power) Jean Corf-free, halogen-free Atterial wire insulation (Power) Atterial wire insulation (Power) Jean Corf-free, halogen-free Atterial wire insulation (Power) Atterial wire insulation (Power) Jean Corf-free, halogen-free Amount strands wire (Power) Jean Corf-free, halogen-free		
wire arrangement (white, blue), (black, red) Cable weigth 63,12 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) \$\frac{5}{9}\$\$ Drain wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) \$\frac{5}{9}\$\$ Ingredient freeness wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 19 Diameter of single wires (Data) 24 AWG Conductor crosssection wire (Data) 24 AWG Material conductor wire (Data) 24 AWG Material conductor wire (Data) 24 AWG Material conductor wire (Data) 25 \% Material conductor wire (Data) 25 \% Material conductor wire (Data) 25 \% Material conductor (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) 1,5 mm		
Cable weight 63,12 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) ±5 % Drain wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) 2.5 % Ingredient freeness wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 19 Diameter of single wires (Data) 24 AWG Material wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 19 Diameter of single wires (Data) 24 AWG Conductor cross-section wire (Data) copper stranded wire, tinned Material conductor wire (Data) 1,5 mm Tolerance outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) 1.5 mm Tolerance outer diameter wire insulation (Power) 2 Amount wires (Power) 2 Amount wires (Power) 19		
Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) ±5 % Drain wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) ±5 % Ingredient freeness wire insulation (Data) 19 Diameter of single wires (Data) 24 AWG Material conductor wire (Data) 24 AWG Conductor crosssection wire (Data) 24 AWG Material conductor wire (Data) 20 copper stranded wire, tinned Material wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) 1 Eggedient freeness wire insulation (Power) 1 Tolerance outer diameter wire insulation (Power) 1 Tolerance outer diameter wire insulation (Power) 2 Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 19 Diameter of single wires (Power) 19 Diameter of single wires (Power) 22 Amount strands wire (Power) 19		
Freedom from ingredients (jacket) Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) 25 % Drain wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) 7 Olerance outer diameter wire insulation (Data) Tolerance outer diameter wire insulation (Data) 1		
Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) ± 5 % Drain wire (cross-section) 22 AWG Material wire insulation (Data) PE Outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (data) ± 5 % 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) 24 AWG Conductor crosssection wire (Data) 24 AWG Material conductor wire (Data) copper stranded wire, tinned Material wire insulation (Power) PE Outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) ±5 % Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG		
Tolerance outer diameter (sheath) Drain wire (cross-section) Material wire insulation (Data) Outer diameter wire insulation (Data) Drain wire (cross-section) Outer diameter wire insulation (Data) Drain wire insulation (Power) Drain wire insulation (Power) Drain wire insulation (Power) Drain wire insulation (Power) Drain wire (Power) Drain w		
Drain wire (cross-section) Material wire insulation (Data) PE Outer diameter wire insulation (Data) Ingredient freeness wire insulation (Data) Diameter of single wires (Data) Material conductor wire (Data) Material conductor wire (Data) Material wire insulation (Data) Diameter of single wires (Data) Material conductor wire (Data) Material wire insulation (Power) Outer diameter wire insulation (Power) PE Outer diameter wire insulation (Power) Diameter of single wires (Data) Amount strands wire (Data) Material wire insulation (Power) Diameter of insulation (Power) Diameter of insulation (Power) Diameter wire (Power) Diameter wire (Power) Diameter wire (Power) Diameter of single wires (Power)	Outer-diameter (Jacket)	·
Material wire insulation (Data) PE Outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (Data) ±5 % 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) 24 AWG Conductor crosssection wire (Data) 24 AWG Material conductor wire (Data) copper stranded wire, tinned Material wire insulation (Power) PE Outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) lead-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG	Tolerance outer diameter (sheath)	±5%
Outer diameter wire insulation (Data) 2,1 mm Tolerance outer diameter wire insulation (data) ± 5 % 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) 24 AWG Conductor crosssection wire (Data) 24 AWG Material conductor wire (Data) copper stranded wire, tinned Material wire insulation (Power) PE Outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) tad-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 19 Diameter of single wires (Power) 22 AWG	Drain wire (cross-section)	22 AWG
Tolerance outer diameter wire insulation (data)	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) 24 AWG Conductor crosssection wire (Data) 24 AWG Material conductor wire (Data) copper stranded wire, tinned Material wire insulation (Power) PE Outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) lead-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG	Outer diameter wire insulation (Data)	2,1 mm
Amount wires (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 24 AWG Conductor crosssection wire (Data) 24 AWG Material conductor wire (Data) copper stranded wire, tinned Material wire insulation (Power) PE Outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) ±5 % Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG		±5%
Amount strands wire (Data) Diameter of single wires (Data) 24 AWG Conductor crosssection wire (Data) Material conductor wire (Data) Material wire insulation (Power) Outer diameter wire insulation (Power) Tolerance outer diameter wire insulation (Power) Ingredient freeness wire insulation (Power) Amount wires (Power) Diameter of single wires (Power) Diameter of single wires (Power) 22 AWG	Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Diameter of single wires (Data) 24 AWG Conductor crosssection wire (Data) 24 AWG Material conductor wire (Data) copper stranded wire, tinned Material wire insulation (Power) PE Outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) ±5 % Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG	Amount wires (Data)	2
Conductor crosssection wire (Data) 24 AWG Material conductor wire (Data) copper stranded wire, tinned Material wire insulation (Power) PE Outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) ±5 % Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG	Amount strands wire (Data)	19
Material conductor wire (Data) copper stranded wire, tinned Material wire insulation (Power) PE Outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) ±5 % Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG	Diameter of single wires (Data)	24 AWG
Material wire insulation (Power) Outer diameter wire insulation (Power) Tolerance outer diameter wire insulation (Power) Ingredient freeness wire insulation (Power) Ingredient freeness wire insulation (Power) Amount wires (Power) Amount strands wire (Power) Diameter of single wires (Power) 2 AWG	Conductor crosssection wire (Data)	24 AWG
Outer diameter wire insulation (Power) 1,5 mm Tolerance outer diameter wire insulation (Power) ±5 % Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG	Material conductor wire (Data)	copper stranded wire, tinned
Tolerance outer diameter wire insulation (Power) ±5 % Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG	Material wire insulation (Power)	PE
(Power) ±5% Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG	Outer diameter wire insulation (Power)	1,5 mm
Amount wires (Power) 2 Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG		±5 %
Amount strands wire (Power) 19 Diameter of single wires (Power) 22 AWG	Ingredient freeness wire insulation (Power)	lead-free, CFC-free, halogen-free
Diameter of single wires (Power) 22 AWG	Amount wires (Power)	2
	Amount strands wire (Power)	19
Wire conductor cross section (Power) 22 AWG	Diameter of single wires (Power)	22 AWG
	Wire conductor cross section (Power)	22 AWG



Material conductor wire (Power)	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. Wire (Data)	3 A
Current carrying capacity min. wire (Power)	6 A
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance coating wire (Power)	54 Ω/km @20 °C
Electrical resistance coating wire (Data)	78 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation resistance	5000 MΩ × 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	1 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3 m/s @ 25 °C