

M12 male 0° / M12 female 0° A-cod.

PUR AWG24+22 shielded vt UL/CSA+drag ch. 14m

DeviceNet, CANopen Male straight – female straight M12 – M12, 5-pole A-coded shielded

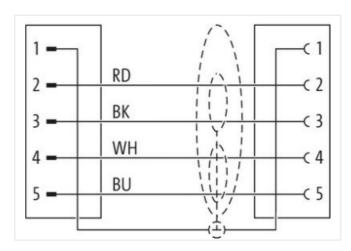
Plastic housings with good resistance against chemicals and oils.

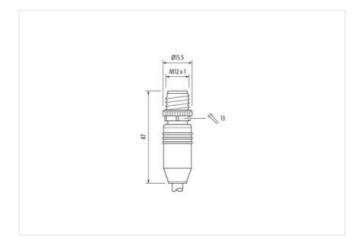
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

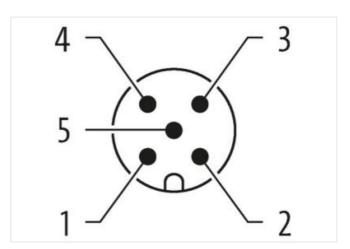
Link to Product

Illustration



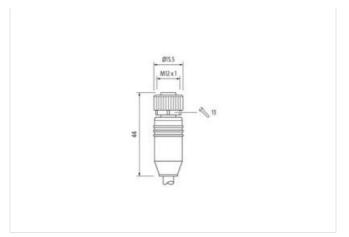


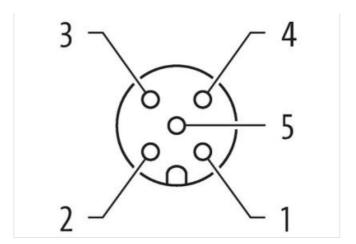






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Product may differ from Image













Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet straight Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 SI Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet straight Coding A Material PUR Width across flats SW13 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0	Cable length	14 m
Mounting method inserted, screwed	Side 1	
Family construction form M12 Thread M12 x 1 Cable outlet straight Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet straight Coding A Material PUR Width across flats SW13 Commercial date ECLASS-6.0 27279218 ECLASS-6.1 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 coustoms tariff number 85444290	Tightening torque	0,6 Nm
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Cable outlet straight Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet straight Coding A Material PUR Width across flats SW13 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECTASS-12.0 27060307 ECTASS-12.0 27060307 ECTASS-12.0	Family construction form	M12
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Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Protection (EN IEC 60529) Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coble outlet straight Coding A Material PUR Width across flats SW13 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290	Coding	A
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Side 2 Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet straight Coding A Material PUR Width across flats SW13 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307	Width across flats	SW13
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Cable outlet straight Coding A Material PUR Width across flats SW13 Commercial data ECLASS-6.0 27279218 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 ECLASS-12.0 27060307 ECLASS-12.0 25060307 ECLASS-12.0 25060307 ECLASS-12.0 25060307 EXIM-5.0 EC001855 customs tariff number 85444290	Family construction form	M12
Coding A Material PUR Width across flats SW13 Commercial data ECLASS-6.0 27279218 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 ECLASS-12.0 87060307 ECLASS-12.0 27060307 ECLASS-12.0 85444290	Thread	M12 x 1
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Width across flats SW13 Commercial data ECLASS-6.0 27279218 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 ECIASS-12.0 27060307 ECIMS-5.0 85444290	Coding	A
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customs tariff number 85444290	ECLASS-12.0	27060307
	ETIM-5.0	EC001855
GTIN 4048879716611	customs tariff number	85444290
	GTIN	4048879716611

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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	
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
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
Important installation notes	
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 forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	803
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
Traversing distance (C-track)	5 m
Cable weigth	63,12 g/m
Cable weigth Material jacket Shore hardness jacket	63,12 g/m PUR 90 ± 5 Shore A

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Outer-diameter (jacket) 6, 9 mm Tolerance outer diameter (sheath) ± 5 % Material wise insolution PE Amount wises 2	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires (Data) PE Amount wires 2 Amount wires (Data) Amount wires	Outer-diameter (jacket)	6,9 mm
Amount wires 2 Couter diameter insulation 2,1 mm Couter diameter tolerance core insulation 4 ± 5 Shore D Ingredient freeness wire insulation 16 4 ± 5 Shore D Ingredient freeness wire insulation 16 4 ± 5 Shore D Ingredient freeness wire insulation 19 Diameter of single wires 24 AWG Diameter of single wires 24 AWG Drain wire (cross-section) 22 AWG Material conductor wire 24 AWG Drain wire (cross-section) 25 AWG Material conductor wire 25 AWG Material conductor wire 26 AWG Material conductor wire 27 AWG Material donablet wire insulation (Data) 28 AWG Material wire insulation (Data) 29 E Material diameter wire insulation (Data) 30 FE Material wire insulation (Data) 40 FE Material conductor wire insulation (Data) 40 FE Material conductor wire insulation (Data) 40 FE Material conductor wire (Data) 40 FE Material Material wire wire wire wire wire wire wire wire	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation	Material wire insulation	PE
Outer diameter tolerance core insulation	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 Conductor wires (wire) 24 AWG Material conductor wire copper stranded wire, tinned Electrical function wire Data Material wire insulation (Data) PE Quer diameter wire insulation (Data) PF Quer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) ± 53 % Ingredient freeness wire insulation (Data) 19 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Conductor crosssection wire (Data) 20 years Electrical function wire (Data) 20 years Electrical function wire (Data) 20 years Electrical function wire (Data) 20 years Diameter of single wires (Data) 20 years Diameter of single wires (Data) 20 years Diameter of single wires (Data) 20 years Electrical function wire (Data) 20 years Diameter of single wires (Data) 20 years	Outer diameter insulation	2,1 mm
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Amount strands (wire) 19	Shore hardness wire insulation	64 ± 5 Shore D
Diameter of single wires	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) 1,5 mm Tolerance outer diameter wire insulation (Data) 1 ead-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 Conductor wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Material conductor wire (Data) 20 power stranded wire, tinned Electrical function wire (data) Power Nominal voltage AC max. 300 V Current load capacity min. Wire (Data) 6 A Electrical function wire (data) Power Current load capacity min. Wire (Data) 6 A Electrical resistance constant wire Data Electrical resistance in constant wire <td>Amount strands (wire)</td> <td>19</td>	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) Index of the section	Diameter of single wires	24 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) 2 53 % Ingredient freeness wire insulation (Data) 1 each free, CFC-free, halogen-free Amount wires (Data) 2 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Conductor wire (Data) 29 Copper stranded wire, finned 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 0 Ata Electrical function wire (data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical function wire (Data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance load constant wire 4 AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance capacity wire (Data) 40 OV F/km AC withstand voltage (wire - shield) 40 V C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Ope	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 orssssection wire (Data) 22 AWG Conductor wires (Data) 22 AWG Conductor wire (Data) 29 AWG Conductor wire (Data) 20 AWG Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity win. 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 function wire (Data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance coating wire (Data) 54 Ω/km AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacilance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperatur	Drain wire (cross-section)	22 AWG
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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 vires (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Nominal voltage AC max. 300 V Current load capacity strandard) to DIN VDE 0298-4 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 Ωkm Electrical resistance coaling wire (Data) 54 Ωkm AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical presistance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (static) 70 °C	Electrical function wire	Data
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Ingredient freeness wire insulation (Data) 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) 25 AWG Material conductor wire (Data) 26 AWG Mominal voltage AC max. 300 V Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity min. Wire (Data) 6 A Electrical function wire Electricial function wire (Data) Power Characteristic impedance 120 \(\Omega \text{1 MHz} \) Electrical resistance line constant wire 78 \(\Omega \text{1 MHz} \) Electrical resistance coating wire (Data) Electrical resistance outing wire (Data) AC withstand voltage (wire - wire) 2 kV \(\Omega \text{0 S} \text{ S} \) Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) AC withstand voltage (wire - wire) 2 kV \(\Omega \text{0 S} \text{ S} \) Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) AC withstand voltage (wire - shield)	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) 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 (standard) 4,5 A Current load capacity min. Wire (Data) 6 A Electrical function wire Data 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 lone constant wire 78 Ω/km Electrical resistance long 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 Electric appearature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance DIN EN 60011-foot, application-related testing Ending radius (installation) x Outer diameter	Tolerance outer diameter wire insulation (data)	± 53 %
Amount strands wire (Data) Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) Electrical function wire (data) Power Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 4.5 A Current load capacity min. Wire (Data) Electrical function wire (data) Power Electrical resistance line constant wire 78 \(\Omega \) Mm Electrical resistance coating wire (Data) AC withstand voltage (wire - wire) 2 kV \(\Omega \) 60 s Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) AC withstand voltage	Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power 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 Electrical function wire (Data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical function wire (Data) S4 M/km Electrical resistance coating wire (Data) 54 Q/km Electrical resistance coating wire (Data) 54 Q/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) 70 °C Flame resistance Good, application-related testing Endorm related testing	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) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km Electrical resistance coating wire (Data) 54 Ω/km AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resist	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 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km Electrical resistance coating wire (Data) 54 Ω/km AC withstand voltage (wire - wire) 2 k V @ 60 s Electric apacitance 40000 pF/km AC withstand voltage (wire - shield) 2 k V @ 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 Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance	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) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km Electrical resistance line constant wire 78 Ω/km Electrical resistance loading 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 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 DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	Conductor crosssection wire (Data)	22 AWG
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 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	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) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km Electrical resistance coating wire (Data) 54 Ω/km AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	Electrical function wire (data)	Power
Current load capacity min. wire 4,5 A Current load capacity min. Wire (Data) 6 A Electrical function wire Data Electrical function wire (data) Power Characteristic impedance 120 $\Omega \pm 10$ % @ 1 MHz Electrical resistance line constant wire 78 Ω /km Electrical resistance coating wire (Data) 54 Ω /km AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °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 DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing	Nominal voltage AC max.	300 V
Current load capacity min. Wire (Data) 6 A Electrical function wire Data Electrical function wire (data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 Ω/km Electrical resistance coating wire (Data) 54 Ω/km AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	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) $54 \Omega \text{/km}$ AC withstand voltage (wire - wire) $2 \text{ kV } @ 60 \text{ s}$ Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) $2 \text{ kV } @ 60 \text{ s}$ 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	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) $54 \Omega / \text{km}$ AC withstand voltage (wire - wire) $2 \text{kV} @ 60 \text{s}$ Electric capacitance 40000pF/km AC withstand voltage (wire - shield) $2 \text{kV} @ 60 \text{s}$ Min. operating temperature (static) 40cC Max. operating temperature (fixed) 80cC Operating temperature min. (dynamic) -30cC Operating temperature max. (dynamic) 70cC Flame resistance $0 \text{LL} 1581 \text{s} 1100 \text{FT2} \text{lEC} 60332 2 2 2 \text{lUL} 1581 \text{s} 1090$ chemical resistance 0Good , application-related testing 0Good , application-related testing 0CO Dil resistance $0 \text{DIN} \text{EN} 60811 404 \text{l} \text{Good}$, application-related testing $0 \text{Ending} \text{radius}$ (installation) 0cOUter diameter	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) $54 \Omega \text{/km}$ AC withstand voltage (wire - wire) $2 \text{ kV } @ 60 \text{ s}$ Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) $2 \text{ kV } @ 60 \text{ s}$ 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 $UL 1581 \S 1100 \text{ FT2} \text{IEC } 60332-2-2 \text{UL } 1581 \S 1090$ chemical resistance $Good$, application-related testing Gasoline resistance $DIN \text{ EN } 60811-404 Good$, application-related testing Bending radius (installation) $x \text{ Outer diameter}$	Electrical function wire	Data
Electrical resistance line constant wire 78 Ω/km Electrical resistance coating wire (Data) 54 Ω/km AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	Electrical function wire (data)	Power
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 DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	Characteristic impedance	120 Ω ± 10 % @ 1 MHz
AC withstand voltage (wire - wire) Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	Electrical resistance line constant wire	78 Ω/km
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 DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - shield) Min. operating temperature (static) -40 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (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	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) 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	Electric capacitance	40000 pF/km
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) 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	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	Max. operating temperature (fixed)	80 °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	Operating temperature min. (dynamic)	-30 °C
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	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed) 6 x Outer diameter	Bending radius (installation)	x Outer diameter
	Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic) 10 x Outer diameter		10 x Outer diameter
Travel speed (C-track) 1 Mio.		1 Mio.
No. of torsion cycles 2 Mio.	No. of torsion cycles	2 Mio.
Torsion stress ± 30 °/m		± 30 °/m
Torsion speed 35 cycles/min	Torsion speed	35 cycles/min