

M12 male 90° / M12 female 0° A-cod.

PUR AWG24+22 shielded vt UL/CSA+drag ch. 0.8m

DeviceNet, CANopen Male 90° – female straight M12 – M12, 5-pole shielded

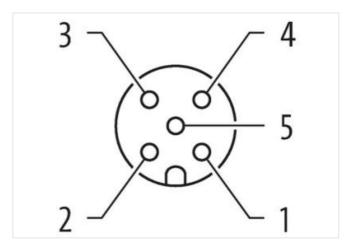
Plastic housings with good resistance against chemicals and oils.

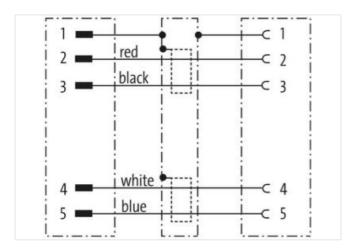
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

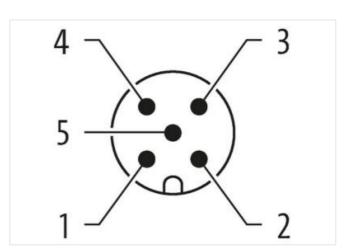
Link to Product

Illustration



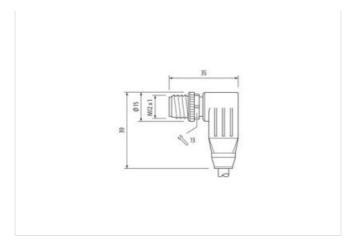


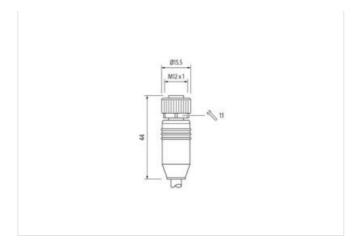






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Product may differ from Image













Cable length	0,8 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
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	4065909033784
Packaging unit	1
Electrical data Supply	



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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	Timod.
·	Nigkolad
Coating locking	Nickeled
Coating of fitting Locking material	nickel plated Zinc die-casting
Material screw connection	Zinc die-casting Zinc die-casting
	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Incomparation the staff of the	
Important installation notes	
Important installation notes Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
•	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 endangered by excessive bending forces.
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Note on strain relief Note on bending radius Installation Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief Note on bending radius Installation Cable Cable identification	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 %
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 63,12 g/m
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 63,12 g/m PUR
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Cable shielding (type) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 63,12 g/m PUR 90 ± 5 Shore A
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,9 mm
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,9 mm ± 5 %
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,9 mm ± 5 % PE
Note on strain relief Note on bending radius Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. 803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,9 mm ± 5 %



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Ingrodient freeness wire insulation isolat free, CFC free, halogen free Amount strands (wire) 19 Dismeter of single wires 24 AWG Conductor cross-section (wire) 24 AWG Material conductor wire copper stranded wire, tinned Electrical function wire Data Material wire insulation (Data) 1,5 mm Tolerance outer dismeter wire insulation (Data) 1,5 mm Tolerance outer dismeter wire insulation (Data) 1,5 mm Tolerance outer dismeter wire insulation (Data) 2,8 mm Ingredient freeness wire insulation (Data) 1,5 mm Tolerance outer dismeter (Data) 2,2 mm Amount strands wire (Data) 19 Dismeter of single wires (Data) 2,2 aWG Conductor crosssection wire (Data) 2,2 aWG Conductor crosssection wire (Data) 2,2 aWG Conductor crosssection wire (Edata) 2,2 aWG Conductor crosssection wire (Edata) 2,2 aWG Conductor crosssection wire (Edata) 2,3 mm Tolerance (C-track) 5 m Nonnall vollage AC max. 300 V Current load capacity (standardr) 1,0 DIN VDE 0288-4 Current load capacity (standardr) 2,0 Mm Characteristic impedance 1,0 DIN VDE 0288-4 Current load capacity (standardr) 2,0 Mm Characteristic impedance 1,0 Mm Characteristic impedance	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 19 Dismeter of single wires 24 AWG Drain wire (cross-section) 22 AWG Drain wire (cross-section) 22 AWG Material conductor wire 19 Electrical function wire 20 Data Material conductor wire 19 Electrical function wire 20 Data 32 AWG Define wire insulation (Data) 25 AWG Define wire insulation (Data) 1,5 mm Tolerance outer dismeter wire insulation (data) 1,5 mm Demotrer of single wires (Data) 2,2 AWG Demotrer of single wires (Data) 1,9 mm Demotrer of single wires (Data) 2,2 AWG Conductor cross-section wire (Data) 2,2 AWG Conductor cross-section wire (Data) 2,2 AWG Conductor oross-section wire (Data) 2,2 AWG Demotrer of single dismeter (C-track) 5 m Material conductor wire (Bata) 4,2 AWG Demotrer of single dismeter (C-track) 5 m Demotrer of single dismeter (C-track) 6,4 A Demotrer	Shore hardness wire insulation	64 ± 5 Shore D
Diameter of single wires 24 AWG	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor cross-section (wire) 24 AWG Drain wire (cross-section) 22 AWG Material conductor wire Data Electrical function wire Data Electrical function wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) 2,53 % Ingredient freeness wire insulation (Data) 2 Amount strands were (Data) 19 Diameter of single wires (Data) 22 AWG Conductor cross-section wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Electrical function wire (data) 20 AWG Material conductor wire (Data) 22 AWG Material conductor wire (Data) 20 AWG Electrical function wire (data) Power Traversing distance (C-track) 5 m Nominal voltage AC max 300 V Current load capacity kinardard 10 INV DE 0298-4 Current load capacity min. wire 4,5 A Current load capacity min. wire (Data) 6 A Electrical function wire (data) Power <t< td=""><td>Amount strands (wire)</td><td>19</td></t<>	Amount strands (wire)	19
Drain wire (cross-section) 22 AWG Material conductor wire copper stranded wire, tinned Electrical function wive Data Material conductor wire insulation (Data) PE Outer diameter wire insulation (Data) PE Outer diameter wire insulation (Data) 1,5 mm	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) 15 % Impedient freeness wire insulation (Data) 28 % Impedient freeness wire insulation (Data) 19 Amount strands wire (Data) 2 2 AWG Amount strands wire (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Conductor origine wires (Data) 22 AWG Material conductor wire (Data) 20 yewr Electrical function wire (Data) Power Traversing distance (C-track) 5 m Nominal voltage AC max. 300 V Current load capacity win. wire (Data) 5 A Current load capacity win. wire (Data) 6 A Electrical function wire (Edata) Power Current load capacity win. wire (Data) 6 A Electrical resistance line constant wire (Data) 6 A Electrical resistance wire (Edata) Power Characteristic impedance 10 Ω ± 1	Conductor crosssection (wire)	24 AWG
Electrical function wire	Drain wire (cross-section)	22 AWG
Material wire insulation (Data) PE Outer diameter wire insulation (data) 1.5 mm Tolerance outer diameter wire insulation (data) ± 53 % Ingredient freeness wire insulation (Data) bead-free, CFC-free, halogen-free Amount wires (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Conductor original wires (Data) 22 AWG Material conductor wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Material conductor wire (Data) 20 Overer Electrical function wire (data) Power Traversing distance (C-track) 5 m Nominal voltage AC max. 300 V Current load capacity min. wire 4,5 A Current load capacity min. wire 4,5 A Current load capacity min. wire Data Electrical function wire (data) Power Characteristic impedance 120 Q± 10 % @ 1 MHz Electrical resistance coating wire (Data) 54 Wr. AC withstand voltage (wire - wire) 2 kW @ 60 s Electric capacitance 400 W	Material conductor wire	copper stranded wire, tinned
Outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (data) ± 53 % Ingredient freeness 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 cressection wire (Data) 22 AWG Material conductor wire (Data) 22 AWG Electrical function wire (data) copper stranded wire, tinned Electrical function wire (data) Power Traversing distance (C-track) 5 m Nominal voltage AC max. 300 V Current load capacity (standardr) 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 Q ± 10 % ⊕ 1 MHz Electrical resistance line constant wire (Data) Power AC withstand voltage (wire - wire) 2 kV ⊕ 60 s Electrical periodicula repeature (Electrical resistance) 2 kV ⊕ 60 s Min. operating temperature (fixed) 90 °C	Electrical function wire	Data
Tolerance outer diameter wire insulation (data) ± 53 % ingrecient freeness wire insulation (Data) lead-free, CFC-free, halogen-free Amount wires (Data) 2 Amount wires (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) 0 copper stranded wire, tinned Electrical function wire (data) Power Traversing distance (C-track) 5 m Nominal voltage AC max. 300 V Current load capacity rinin. wire Current load capacity min. wire Capacity Current load capacity min. wire Cu	Material wire insulation (Data)	PE
Ingredient freeness wire insulation (Data) lead-free, CFC-free, halogen-free	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 crossection wire (Data) 22 AWG Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Traversing distance (C-track) 5 m 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 Electrical function wire (data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 D/km Electrical resistance len constant wire 78 D/km Electrical resistance coating wire (Data) 54 Q/km AC withstand voltage (wire - wire) 2 k V @ 60 s Electrical preparature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) 30 °C Operating temperature min. (dynamic) 70 °C Filame resistance UL 158	Tolerance outer diameter wire insulation (data)	± 53 %
Amount wires (Data) 2 Amount strands wire (Data) 19 Diameter of single wires (Data) 22 AWG Conductor crossection wire (Data) 22 AWG Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Traversing distance (C-track) 5 m 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 Electrical function wire (data) Power Characteristic impedance 120 Ω ± 10 % @ 1 MHz Electrical resistance line constant wire 78 D/km Electrical resistance len constant wire 78 D/km Electrical resistance coating wire (Data) 54 Q/km AC withstand voltage (wire - wire) 2 k V @ 60 s Electrical preparature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) 30 °C Operating temperature min. (dynamic) 70 °C Filame resistance UL 158	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 Traversing distance (C-track) 5 m 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 lone constant wire 78 Ω/km Electrical resistance coating wire (Data) 54 Q/km AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical paperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (min. (dynamic) 30 °C Operating temperature (min. (dynamic) 70 °C Flaiter eresistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 66811-404 Goo	Amount wires (Data)	2
Conductor crosssection wire (Data) 22 AWG Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Traversing distance (C-track) 5 m 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 Electrica capacitance 400000 pF/km AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (ixed) 80 °C 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	Amount strands wire (Data)	19
Material conductor wire (Data) copper stranded wire, tinned Electrical function wire (data) Power Traversing distance (C-track) 5 m 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 loan constant wire 78 Ω/km Electrical resistance load 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 (ixed) 80 °C 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 Good, application-related testing Oil resistance DIN EN 60	Diameter of single wires (Data)	22 AWG
Electrical function wire (data) Power Traversing distance (C-track) 5 m 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 Clettrical 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 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 Gil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer	Conductor crosssection wire (Data)	22 AWG
Traversing distance (C-track) 5 m Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 6 A Electrical function wire (data) 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 Electrical 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 Good. application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) 6 x Outer diameter	Material conductor wire (Data)	copper stranded wire, tinned
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) 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 Gasoline resistance Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) 6 x Outer diameter Bending radius (fixed) 6	Electrical function wire (data)	Power
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 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) <td>Traversing distance (C-track)</td> <td>5 m</td>	Traversing distance (C-track)	5 m
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 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 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 Be	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 Bending radius (installation) x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track)	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 $78 \Omega \text{ J/km}$ Electrical resistance coating wire (Data) $54 \Omega \text{ J/km}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrica pasitance 40000 pF/km AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Electrical gresistance (static) 40 °C Max. 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 6081-404 Good, application-related testing Bending radius (fixed) 6 × Outer diameter Bending radius (fixed) 6 × Outer diameter Bending radius (fixed) 10 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Flame resistance (C-track) 1 Mio. No. of torsion cycles 2 Mio. Torsion stress $\pm 30 \text{ °/m}$	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 40000 pF/km AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Electric capacitance 40000 pF/km AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) 40 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 30 °C Operating temperature max. (dynamic) 70 °C Flame resistance 40000 pF/km Good, application-related testing 40000 pF/km Good, application-related testing 40000 pF/km Oil resistance 40000 pF/km Dil N EN 60811-404 Good, application-related testing 400000 pF/km Bending radius (installation) 40000 pF/km Bending radius (ked) 40000 pF/km Travel speed (C-track) 40000 pF/km	Current load capacity min. Wire (Data)	6 A
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 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	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 DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) 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	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 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	Characteristic impedance	120 Ω ± 10 % @ 1 MHz
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 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 ± 30 °/m	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 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	Electrical resistance coating wire (Data)	54 Ω/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 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 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 1 Mio. No. of torsion cycles ± 30 °/m	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) 80 °C 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 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 ± 30 °/m	Electric capacitance	40000 pF/km
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	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (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 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	Min. operating temperature (static)	-40 °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 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 ± 30 °/m	Max. operating temperature (fixed)	0° C 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 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	Operating temperature min. (dynamic)	-30 °C
chemical resistance Good, application-related testing Gasoline 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	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 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	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 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	chemical resistance	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	Gasoline resistance	Good, application-related testing
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	Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 1 Mio. No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Bending radius (installation)	x Outer diameter
Travel speed (C-track) 1 Mio. No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Bending radius (fixed)	6 x Outer diameter
No. of torsion cycles 2 Mio. Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 30 °/m	Travel speed (C-track)	1 Mio.
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min