

M12 male 90° / M12 female 90° A-cod. shielded

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 3.5m

Cube67
Male 90° – female 90°
M12 – M12, 6-pole
A-coded
shielded
Hybrid cable

Plastic housings with good resistance against chemicals and oils.

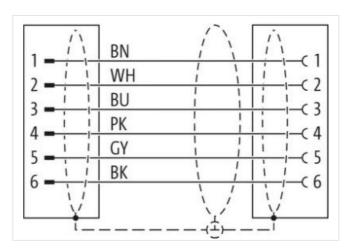
The resistance to aggressive media should be individually tested for your application. Further details on request.

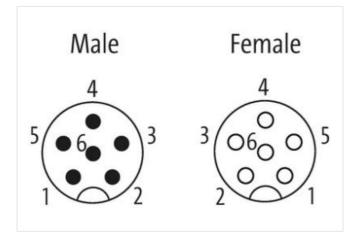
Further cable lengths on request.

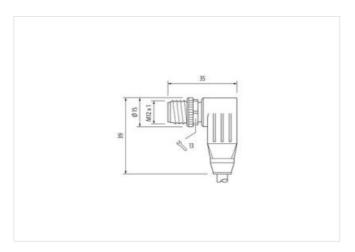
Link to Product

Illustration



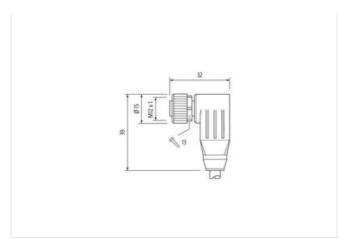








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Product may differ from Image





Side 1 Tightening torque 0.6 Nm Mounting method inserted, screwed Coating construction form M12 Thread M12 x 1 Coding A Material contact Copper alloy No. of poles 6 Width across flats SW13 Side 2 SW13 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 6 Commercial data Copper alloy ECLASS-6.0 27061801 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-10.1 27060307 ECLASS-11.1 2	Cable length	3,5 m
Mounting method inserted, screwed Coating contact gold pated Family construction form M12 Thread M12 x 1 Coding A Material contact Copper alloy No. of poles 6 Width across flats SW13 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 6 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 <td>Side 1</td> <td></td>	Side 1	
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Thread M12 x 1 Coding A Material contact Copper alloy No. of poles 6 Width across flats SW13 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 6 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307	Coating contact	gold plated
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ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290	ECLASS-10.1	27060307
ETIM-5.0 EC001855 customs tariff number 85444290	ECLASS-11.1	27060307
customs tariff number 85444290	ECLASS-12.0	27060307
	ETIM-5.0	EC001855
GTIN 4048879140119	customs tariff number	85444290
	GTIN	4048879140119



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Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 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	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
·	Ministral
Coating locking	Nickeled
Material gasket	FKM
Locking material	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.
Installation Cable	
wire arrangement	(gray, pink), blue, white, brown, black
Cable identification	802
Function cable	Hybrid, Signal, Data
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	4 wires with Stranding combination with 3 Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece
Filler	yes
wire arrangement	(gray, pink), blue, white, brown, black
Cable weigth Material jacket	77 g/m PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	±5%
and sater diameter (eneutr)	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



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Outer dismeter insulation 1,4 mm Outer dismeter foliarance core insulation 1,4 mm Ingredient freeness were insulation 1,2 mm Ingredient freeness were insulation 1,4 mm Ingredient freeness were insulation 1,4 mm Ingredient freeness were insulation 1,5 mm² Indianater of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm² Material conductor wire Stranded copper wire, bare Conductor lyes (wire) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,2 mm Tolerance outer diameter vire insulation (Da	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Ingredient freeness were insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.5 mm² Material conductor we Stranded copper wire, bare Conductor type (wire) strand class 6 Material very were insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (pata) 2 b Impedient freeness were insulation (pata) 32 Damount strands wire (Data) 32 Amount strands wire (Data) 32 Damater of insingle wires (Data) 0,3 mm² Wire conductor (type (Data) 32 mm² Wire conductor (type (Data) strand class 6 Nominal voltage AC max 300 V Current load capacity (sandard) to DIN VDE 0298-4 Current load capacity (sandard) to DIN VDE 0298-4 </td <td>Amount wires</td> <td>4</td>	Amount wires	4
Ingredient freeness wire insulation Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor view Conductor wire Stranded copper wire, barre Conductor wire insulation (Data) PP Cotted diameter wire insulation (Data) Cotted diameter wire (Data) Conductor orsoscenton wire (Data) Conductor orsoscenton wire (Data) Conductor orsoscenton wire (Data) Conductor orsoscenton wire (Data) Cotted diameter wire insulation (Cotta) Cotted diameter (Cotta) Cotted diamete	Outer diameter insulation	1,4 mm
Amount strands (wire) 64 Diameter of single wires 0, 1n mm Conductor or sessection (wire) 0,5 mm² Material conductor vive Conductor type (wire) strand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 5 % Ingredient freeness wire insulation (Data) 5 % Amount strands wire (Data) 2 Amount strands wire (Data) 3 Bilameter of single wires (Data) 4 Amount wires (Data) 5 Diameter of single wires (Data) 9,2 mm² Material conductor wire insulation (Data) 1,1 mm Conductor crosssection wire (Data) 9,2 mm² Material conductor wire (Data) 9,2 mm² Material conductor wire (Data) 9,2 mm² Material conductor vipe (Data) 9,2 mm² Material conductor vipe (Data) 9,2 mm² Material conductor wire (Data) 9,2 mm² Mat	Outer diameter tolerance core insulation	±5%
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Conductor crossection (wire) 0.5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Toferance outer diameter wire insulation (Data) 15 % Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount wires (Data) 32 Diameter of single wires (Data) 0,1 mm² Conductor rosssection wire (Data) 32 Wire conductor type (Data) 5 mm² Material conductor wire (Data) 5 mm² Wire conductor type (Data) 5 mm² Current load capacity min. wire 6,3 A <	Amount strands (wire)	64
Material conductor wire	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1.1 mm Tolerance outer diameter wire insulation (Data) ± 5 % Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) 52 mm² Mominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. wire 6,3 A Current load capacity min. wire 6,3 A Current load capacity wire (Wire Wire) 79 QMm @ 20 °C Electrical resistance coating wire (Data) 79 QMm @ 20 °C Electrical resistance viries wire wire 83000 pF/m	Conductor crosssection (wire)	0,5 mm ²
Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) ± 5 % Ingredient freeness wire insulation (Data) bead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0.25 mm² Meterial conductor wire (Data) Strande class 6 Wire conductor type (Data) Strande class 6 Wire conductor type (Data) Strande class 6 Nominal voltage AC max. 300 V Current load capacity min. Wire (Data) 3.2 A Electrical resistance line constant wire 33 Ω/km @ 20 °C Electrical resistance line constant wire 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 6500 mH/km Electrical capacity line constant (wire - wire) 6500 mH/km Electrical capacity line constant (wire - wire) 6500 mH/km Electrical capacity line constant (wire - wire) 6500 mH/km	Material conductor wire	Stranded copper wire, bare
Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ± 5 % Ingredient freeness wire insulation (Data) ± 5 % Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crossessetion wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 3,2 A Current load capacity wire. Wire (Data) 3,2 A Current load capacity min. Wire (Data) 3,2 A Current load capacity wire (Data) 3,2 A Current load capacity wire (Data) 3,2 K Electrical resistance (inconstant wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s Electrical resistance 2000 MC × km<	Conductor type (wire)	strand class 6
Tolerance outer diameter wire insulation (data) ± 5 % ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Belectrical resistance line constant wire 0,30 μ/μ	Material wire insulation (Data)	PP
Ingredient freeness wire insulation (Data) Ieaad-free, cadmium-free, CFC-free, halogen-free, silicone-free	Outer diameter wire insulation (Data)	1,1 mm
Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Wire conductor type (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded Conductor type (Data) Strand	Tolerance outer diameter wire insulation (data)	±5%
Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Nominal voltage AC max. 300 V Current load capacity finin, wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance line constant wire 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0,65 mH/km Electrical capacity inie constant (wire - wire) 3300 pF/km Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical resistance 2000 MΩ × km Min. operating temperature (sitatic) 50 °C Max. operating temperature (sitatic) 50 °C Max. operating temperature min. (dynamic) 30 °C Operating temperature min. (dynamic) 70 °C Flame resistance Ele 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance <td>Ingredient freeness wire insulation (Data)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, barre Wire conductor type (Data) stranded copper wire, barre Wire conductor type (Data) stand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) 50 °C Max. operating temperature (mix. (dynamic) 30 °C Operating temperature (mix. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing	Amount wires (Data)	2
Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 3,2 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 I UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter	Amount strands wire (Data)	32
Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 6.3 A Current load capacity min. Wire (Data) 3.2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1.5 kV @ 60 s Electrical resistandoutly line constant 0.65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature mix. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gli resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing <td>Diameter of single wires (Data)</td> <td>0,1 mm</td>	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant 63000 pF/km Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing	Conductor crosssection wire (Data)	0,25 mm ²
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire 6.3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ x km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gli resistance DIN EN 60811-404 Good, application-related testing<	Material conductor wire (Data)	Stranded copper wire, bare
Current load capacity (standard) Current load capacity min. wire 6,3 A Current load capacity min. wire 6,3 A Current load capacity min. wire (Data) 32 PA Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 °S Electrical capacity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - in,5 kV @ 60 °S Isolation resistance (wire - shield) 1,2 kV @ 60 °S Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Elec 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) S × Outer diameter Bending radius (fixed) S × Outer diameter No. of bending cycles (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Wire conductor type (Data)	strand class 6
Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C <td>Nominal voltage AC max.</td> <td>300 V</td>	Nominal voltage AC max.	300 V
Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant 63000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Solation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - lack to the standard voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) 50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 70 °C Flame resistance Elect 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C	Current load capacity min. wire	6,3 A
Electrical resistance coating wire (Data) 79 \(\Omega / \text{km} \end{aligned} 20 \circ C\) AC withstand voltage (wire - wire) 1,5 kV \(\text{ 60 s} \) Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV \(\text{ 60 s} \) AC withstand voltage (wire - shield) 1,2 kV \(\text{ 60 s} \) Isolation resistance 2000 M\(\Omega \text{ km} \) Min. operating temperature (static) -50 \(\circ C \) Max. operating temperature (fixed) 90 \(\circ C \) Operating temperature max. (dynamic) 70 \(\circ C \) Flame resistance EC 60332-2-2 UL 1581 \(\xi \) 1100 FT2 UL 1581 \(\xi \) 1090 chemical resistance Good, application-related testing Good (application-related Good (application-related Good Goo	Current load capacity min. Wire (Data)	3,2 A
AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Electrical resistance line constant wire	39 Ω/km @ 20 °C
Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C	Electrical resistance coating wire (Data)	79 Ω/km @ 20 °C
Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Electric inductivity line constant	0,65 mH/km
jacket)1,3 kV \oplus 60 sAC withstand voltage (wire - shield)1,2 kV \oplus 60 sIsolation resistance2000 MΩ × kmMin. operating temperature (static)-50 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)5 Mio. \oplus 25 °CTraversing distance (C-track)10 m \oplus 25 °CTravel speed (C-track)2 m/s \oplus 25 °C	Electrical capacity line constant (wire - wire)	63000 pF/km
Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C	AC withstand voltage (wire - shield)	1,2 kV @ 60 s
Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Isolation resistance	$2000 \text{ M}Ω \times \text{km}$
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C	Min. operating temperature (static)	-50 °C
Operating temperature max. (dynamic) Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traver speed (C-track) 2 m/s @ 25 °C	Max. operating temperature (fixed)	90 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	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 (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track) 2 m/s @ 25 °C	No. of bending cycles (C-track)	5 Mio. @ 25 °C
-	Traversing distance (C-track)	10 m @ 25 °C
Torsion stress ± 180 °/m	Travel speed (C-track)	2 m/s @ 25 °C
	Torsion stress	± 180 °/m