

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

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 5.5m

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

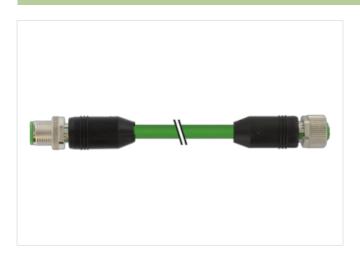
Plastic housings with good resistance against chemicals and oils.

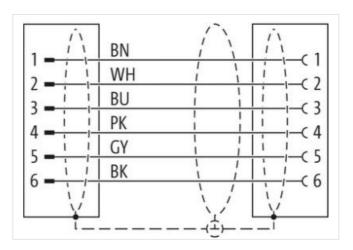
The resistance to aggressive media should be individually tested for your application. Further details on request.

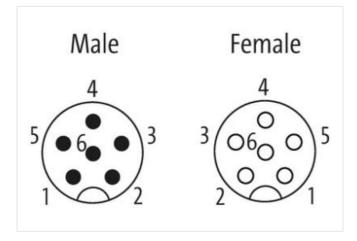
Further cable lengths on request.

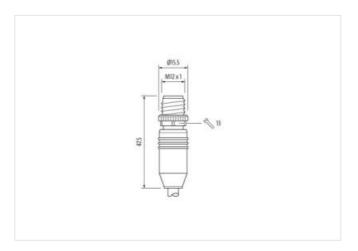
Link to Product

Illustration

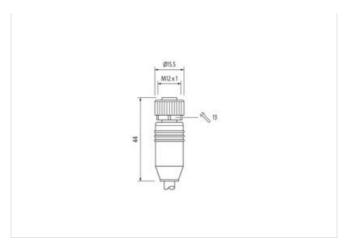












Product may differ from Image





Cable length	5,5 m
Side 1	
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
Material	PUR
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
Material	PUR
No. of poles	6
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 4048879140409 **GTIN** Packaging unit 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 0,8 kV Rated surge voltage Material group (IEC 60664-1) Mechanical data | Material data 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. 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 Stranding 2 wires twisted Amount stranding (type 2) 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 77 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6.6 mm Tolerance outer diameter (sheath) ±5%

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21



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Current load capacity (standard) Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 \(\Omega \text{Jkm} \text{@ O C} \) Electrical resistance coating wire (Data) 79 \(\Omega \text{Jkm} \text{@ O C} \) Electrical resistand voltage (wire - wire) 1,5 kV \(\text{@ O S} \) Electrical capacity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - in) 1,5 kV \(\text{@ O S} \) Solution resistance 2000 M\(\Omega \text{ km} \) AC withstand voltage (wire - shield) 1,2 kV \(\text{@ O S} \) Solution resistance 2000 M\(\Omega \text{ km} \) War operating temperature (istatic) 50 \(\cdot \C Max. operating temperature (fixed) 90 \(\cdot \C Qperating temperature min. (dynamic) -30 \(\cdot \C Qperating temperature max. (dynamic) 70 \(\cdot \C Fiame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Fiaver sing distance (C-track) 5 \(\text{ Min. @ 25 \(\cdot \C Traver sing distance (C-track) 10 m \(\text{ @ 25 \cdot \C Travel speed (C-track) 2 m/s \(\text{ 25 m/s} \) 2 m/s \(\text{ 25 m/s} \)	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Impredient Treeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (vivie) 0.4 Dameter of single wires 0.1 mm Conductor crosssection (vivie) 0.5 mm² Material conductor wire Stranded copper wire, barre Conductor type (vive) strand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1.1 mm Tolerance outer clameter wire insulation (ottat) 2.5 % Impredient Treeness wire insulation (Data) 2.2 Amount strands wire (Data) 2.2 Amount wires (Data) 2.2 Amount wires (Data) 3.2 Diameter of single wires (Data) 0.5 mm² Material conductor wire (Data) 0.25 mm² Wire conductor type (Data) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to this Vive (Data) Acciment load capacity (standard) to this Vive (Bata) Electrical resistance lone constant wire (Data) 3.2 A El	Amount wires	4
Ingredient freeness wire insulation Amount strands (vire) 64 Diameter of single wires 0,1 mm Conductor crosssection (wire) Material conductor wire Conductor by (vire) Strand class 6 Material wire insulation (Data) PP Outer diameter vire insulation (Data) Tolerance outer diameter vire insulation (Data) View (Data) Tolerance outer diameter vire insulation (Data) View (Data) Signal (Data) View (Data) Signal	Outer diameter insulation	1,4 mm
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Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm² Material conductor wire Strand class 6 Conductor type (wire) strand class 6 Material wire insulation (Data) 1.1 mm Tolerance outer diameter wire insulation (data) 1.5 % Ingredient freeness wire insulation (Data) 1.9 mm Amount strands wire (Data) 2 Amount strands wire (Data) 2.2 Jameter of single wires (Data) 3.2 Diameter of single wires (Data) 0.25 mm² Material conductor wire (Data) 0.25 mm² Material conductor wire (Data) 0.25 mm² Mitter conductor year (Data) 5 randed copper wire, bare Wire conductor yea (Data) 5 randed copper wire, bare Wire conductor year (Data) 5 randed copper wire, bare Wire conductor year (Data) 5 randed copper wire, bare 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 Electric inductivity line constant (wire wire) 1.5 kW @ 60 s	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (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 Tolerance outer diameter wire insulation (Data) lead free, cadmium-free, CFC-free, halogen-free, silicone-free Ingredient freeness wire insulation (Data) lead free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 32 Diameter of single wires (Data) 3.2 Diameter of single wires (Data) 0.1 mm Conductor crosssection wire (Data) 3.2 mm² Wire conductor type (Data) strand claps (Pate (Pate)) Wire conductor type (Data) strand claps 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0998-4 Current load capacity (standard) to DIN VDE 0998-4 Current load capacity (wire (Data) 3.2 A Electrical resistance coating wire (Data) 7.9 û/km @ 20 °C Electrical capacity line constant (wire - wire) 1.5 kV @ 60 s Electrical capacity line constant (wire - wire)	Amount strands (wire)	64
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Outer diameter wire insulation (Data) 1,1 mm Tolerace outer diameter wire insulation (Data) 1.5 %. 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) 0.25 mm² Material conductor vire (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 6.3 A Current load capacity imin. Wire (Data) 3.2 A Electrical resistance line constant wire 33.2 M/m @ 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) 1,5 kV @ 60 s Electric inductivity line constant (wire - wire) 1,5 kV @ 60 s Isolation resistance 2000 MC x km Min. operating temperature (static) 50 °C	Conductor type (wire)	strand class 6
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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 (standard) to DIN VDE 0298-4 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 vire) 1,5 kV @ 60 s Electrical capacity line constant (wire vire) 83000 pF/km Electrical capacity line constant (wire vire) 83000 pF/km Electrical capacity line constant voltage (wire vire) 1,5 kV @ 60 s Electrical resistance voltage (wire vire) 1,5 kV @ 60 s AC withstand voltage (wire vire) 1,5 kV @ 60 s Electrical resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 70 °C Flame resist	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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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) 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 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 @ θ0 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 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oir esting temperature max. (dynamic) 5	Diameter of single wires (Data)	0,1 mm
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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 0,650 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - include) 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 testi	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 (Data) 3,2 A Electrical resistance line constant wire 39 \(\Omega \text{Jkm} \text{@ O C} \) Electrical resistance coating wire (Data) 79 \(\Omega \text{Jkm} \text{@ O C} \) Electrical resistand voltage (wire - wire) 1,5 kV \(\text{@ O S} \) Electrical capacity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - in) 1,5 kV \(\text{@ O S} \) Solution resistance 2000 M\(\Omega \text{ km} \) AC withstand voltage (wire - shield) 1,2 kV \(\text{@ O S} \) Solution resistance 2000 M\(\Omega \text{ km} \) War operating temperature (istatic) 50 \(\cdot \C Max. operating temperature (fixed) 90 \(\cdot \C Qperating temperature min. (dynamic) -30 \(\cdot \C Qperating temperature max. (dynamic) 70 \(\cdot \C Fiame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Fiaver sing distance (C-track) 5 \(\text{ Min. @ 25 \(\cdot \C Traver sing distance (C-track) 10 m \(\text{ @ 25 \cdot \C Travel speed (C-track) 2 m/s \(\text{ 25 m/s} \) 2 m/s \(\text{ 25 m/s} \)	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 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 (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 Gasoline resistance DIN EN 60811-404 [Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traver sing distance (C-track) 10 m @ 25 °C <td>Nominal voltage AC max.</td> <td>300 V</td>	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 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 (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 Gasoline resistance DIN EN 60811-404 [Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traver sing distance (C-track) 10 m @ 25 °C <td>Current load capacity (standard)</td> <td>to DIN VDE 0298-4</td>	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 39 \(\Omega \) \(\text{Possible} \) \(20 \text{ °C} \) Electrical resistance coating wire (Data) 79 \(\Omega \) \(\text{Possible} \) \(0.65 \text{ m/km} \) Electric inductivity line constant (wire - wire) 1.5 kV \(\omega \) \(0.85 \text{ m/km} \) Electric inductivity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - insk kV \(\omega \) \(0.85 \) \(\text{M/km} \) Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - insk kV \(\omega \) \(0.85 \) AC withstand voltage (wire - shield) 1.2 kV \(\omega \) \(0.85 \) Isolation resistance 2000 \(\omega \) \(\cdot \cdot \) Max. operating temperature (static) -50 \(\cdot \c		6,3 A
Electrical resistance coating wire (Data) 79 \(\Omega \) \(\text{ 0 0 s} \) 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 @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 M\(\Omega \) 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 EC 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 Traver sing distance (C-track) 2 m/s @ 25 °C Traver sing distance (C-track) 2 m/s @ 25 °C Traver sing distance (C-track) 2 m/s @ 25 °C Traver sing distance (C-track) 2 m/s @ 25 °C Traver sing distance (C-track) 2 m/s @ 25 °C	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 - iacket) 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 Good, application-related testing Gasoline resistance Good, application-related testing Gil 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 line constant wire	39 Ω/km @ 20 °C
Electric inductivity line constant Some constant Some co	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 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	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 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) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C	Isolation resistance	2000 MΩ × km
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 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 Oil 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 Traversing distance (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 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 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