

M12 male 90° B-cod. with cable shielded

PUR 3x2x0.25 shielded vt 3m

Interbus Male 90° M12, 5-pole B-coded shielded

Further cable lengths on request.

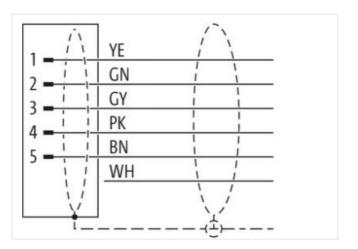
Plastic housings with good resistance against chemicals and oils.

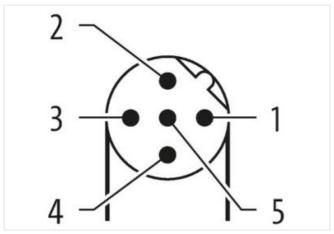
The resistance to aggressive media should be individually tested for your application. Further details on request.

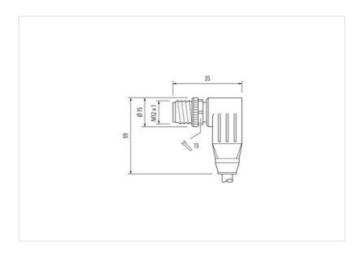
Link to Product

Illustration









Product may differ from Image











Cable length

3 m

Side 1



stay connected

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
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	4048879197656
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 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)	T T
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation Cable	Character by Cooperate Bending forces.
wire arrangement	(white, brown), (gray, pink), (green, yellow)

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



stay connected

Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 6 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor rossesction (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 3.2 A Characteristic impedance 100 Q± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Q/km @ 20 °C AC withstand voltage (wire - wire) 1,5 k/V @ 60 s Electrical capacity line constant (wire - wire) 1,5 k/V @ 60 s Power frequency withstand voltage (wire - shield) 1,5 k/V @ 60 s Min. operating temperature (f	Jacket Color	violet
Amount stranding (type 2) 1 Stranding (type 2) 3 Stranded joints with 3 Filler twisted Cable shielding (type) 0 Cable shielding (type) 8 Silvanded joints with 3 Filler twisted Cable shielding (type) 8 Silvanded joints with 3 Filler twisted Cable shielding (coverage) 8 Silvanded joints with 3 Filler twisted Cable shielding (coverage) 8 Silvanded (type 2) 8 Filler yes wite arrangement (white, brown), (gray, pink), (green, yellow) Cable shielding (type 2) 9 Wite arrangement (white, brown), (gray, pink), (green, yellow) Cable weight 76,48 g/m Material packet PUR Shorn hardrines spicket PUR Freedom from ingredients (jacket) 85 £ Shore A Freedom from ingredients (jacket) 19,7 mm Tolerance outer diameter (sheath) 5 5 % Material wire insulation PE Amount wires Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 55 5 Shore D Ingredient fromess wire insulation 155 5 Shore D Ingredi	Amount stranding	3
Stranding (type 2) 3 Stranded joints with 3 Filter twisted	Stranding	2 wires twisted
Cable shedding (coverage) 85 % Banding Fleece Filler yes wire arrangement (white, brown), (gray, pink), (green, yellow) Cable weigh 76,49 g/m Matterial jacket PUR Shore hardness jacket PUR Shore hardness jacket 85 5 Shore A Freedom from ingredients (gacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-disameter (gacket) 1.5 % Matterial wire insulation 7.7 mm Tolerance outer diameter (gheath) 1.5 % Matterial wire insulation 1.4 mm Outer diameter trainalation 1.4 mm Outer diameter insulation 5.5 % Shore hardness wire insulation 5.5 % Amount streams (vire) 32 Diameter of single wires 0,1 mm Conductor creasesection (wire) 0,25 mm² Matterial conductor wire Stranded copper wire, bare Conductor type (wire) stranded class 6 Courrent load capacity (siandard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1.		1
Cable shedding (coverage) 85 % Banding Fleece Filler yes wire arrangement (white, brown), (gray, pink), (green, yellow) Cable weigh 76,49 g/m Matterial jacket PUR Shore hardness jacket PUR Shore hardness jacket 85 5 Shore A Freedom from ingredients (gacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-disameter (gacket) 1.5 % Matterial wire insulation 7.7 mm Tolerance outer diameter (gheath) 1.5 % Matterial wire insulation 1.4 mm Outer diameter trainalation 1.4 mm Outer diameter insulation 5.5 % Shore hardness wire insulation 5.5 % Amount streams (vire) 32 Diameter of single wires 0,1 mm Conductor creasesection (wire) 0,25 mm² Matterial conductor wire Stranded copper wire, bare Conductor type (wire) stranded class 6 Courrent load capacity (siandard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1.	Stranding (type 2)	3 Stranded joints with 3 Filler twisted
Banding Fleece Filler yes wite arrangement (white, brown), (gray, pink), (green, yellow)		
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wire arrangement (white, brown), (gray, pink), (green, yellow) Cable weight 76,49 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from imgredients (jacket) 125 % Material picket) 7, 7mm Tolerance outer diameter (sheath) 2 ± 5 % Material wire insulation PE Amount wires Gouter diameter insulation 1, 4 mm Outer diameter insulation 1, 4 mm Outer diameter insulation 1, 4 mm Outer diameter insulation 5 ± 5 % Shore hardness were insulation 5 ± 5 % Outer diameter tolerance core insulation 5 ± 5 % Shore hardness were insulation 5 ± 5 % Shore hardness were insulation 1, 1 mm Outer diameter tolerance core insulation 5 ± 5 % Shore hardness wire insulation 10, 1 mm Outer diameter of single wires 0, 1 mm Conductor or single wires 0, 1 mm Conductor or single wires 0, 1 mm Conductor or yes perfect on the single wire 0, 2 mm² Material conductor wire 0 strand class 6 Nominal voltage AC max. 125 V Current load capacity min. wire 0 3,2 A Current load capacity inin. wire 0 3,2 A Current load capacity inin. wire 0 3,2 A Current load capacity inin. wire 0 79,5 Dkm @ 20 °C AC withstand voltage (wire - wire) 1,5 kW @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - wire) 60000 pF/km Deparating temperature (xied) 90 °C Operating temperature (xied) 90 °C Operating temperature (xied) 90 °C Operating temperature wire. (dynamic) 90 °C Operating temperature wire. (dyna		Fleece
Cable weigh 76,49 g/m Material jacket PUR Abror hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,7 mm Toferance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 6 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 6 ± 7 Shore D Ingredient freeness wire insulation 5 ± 7 Shore D Ingredient freeness wire insulation 5 ± 7 Shore D Ingredient freeness wire insulation 2 ± 7 Shore D Ingredient freeness wire insulation 2 ± 7 Shore D Ingredient freeness wire insulation 2 ± 7 Shore D Ingredient freeness wire insulation 2 ± 7 Shore D Ingredient freeness wire insulation 2 ± 7 Shore D Ingredient freeness wire insulation 2 ± 7 Shore D Ingredient freeness wire insulation 2 ± 7 Shore D </td <td>Filler</td> <td>yes</td>	Filler	yes
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Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,7 mm Tollerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 6 Outer diameter insulation 1,4 mm Outer diameter insulation 55 ± 5 Shore D Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 8d defree, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor vire Stranded copper wire, bare Conductor type (wire) 9 strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DN VDE 289-4 Current load capacity (standard) to DN VDE 289-4 Current load capacity (since wire) 3,5 kW @ 0 s Electrical cresistance line constant vire 79,5 D/km @ 20 °C AC withstand voltage (wire - sheld) 1,5 kV @ 60 s <t< td=""><td>Cable weigth</td><td>76,49 g/m</td></t<>	Cable weigth	76,49 g/m
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Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 6 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor rossesction (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 3.2 A Characteristic impedance 100 Q± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Q/km @ 20 °C AC withstand voltage (wire - wire) 1,5 k/V @ 60 s Electrical capacity line constant (wire - wire) 1,5 k/V @ 60 s Power frequency withstand voltage (wire - shield) 1,5 k/V @ 60 s Min. operating temperature (f	Shore hardness jacket	85 ± 5 Shore A
Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 6 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor rossesction (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 3.2 A Characteristic impedance 100 Q± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Q/km @ 20 °C AC withstand voltage (wire - wire) 1,5 k/V @ 60 s Electrical capacity line constant (wire - wire) 1,5 k/V @ 60 s Power frequency withstand voltage (wire - shield) 1,5 k/V @ 60 s Min. operating temperature (f	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PE Amount wires 6 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation bead-free, CFC-free, halogen-free Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C		7,7 mm
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Outer diameter Insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1ead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Comment load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant (wire - wire) 1,5 kV @ 60 s Electrical resistance line constant (wire - wire) 600000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 70 °C Operating temperature (min. (dynamic) 30 °C Operating tempe	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load vapacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 3,2 A Characteristic impedance 100 Ω± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s Electrical capacity (wire shield) 1,5 kV @ 60 s Mac withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature	Amount wires	6
Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3.2 A Characteristic impedance 100 Ω± 15 % @ 1 MHz Electrical resistance line constant wire 79.5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance G	Outer diameter insulation	1,4 mm
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strande class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 3,2 A Characteristic impedance 100 Ω±15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Max. operating temperature (static) 40 °C Max. 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 </td <td>Outer diameter tolerance core insulation</td> <td>±5%</td>	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km 20 °C AC withstand voltage (wire - wire) 1,5 k/ Ø 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) 1,5 k/ Ø 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Poperating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance (Scotcak) 2 Mio. 25 °C Traversing distance (C-track) 5 m @ 25 °C	Shore hardness wire insulation	55 ± 5 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 PF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (dynamic) 12 x Outer diameter Bending radius (d	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - siacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 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 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 Good, application-related testing DIN EN 60811-404	Amount strands (wire)	32
Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - siacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 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 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 Good, application-related testing DIN EN 60811-404	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 $\Omega \pm 15\% \oplus 1$ MHz Electrical resistance line constant wire 79,5 Ω /km \oplus 20 °C AC withstand voltage (wire - wire) 1,5 kV \oplus 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV \oplus 60 s AC withstand voltage (wire - shield) 1,5 kV \oplus 60 s Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance 1EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing IDIN EN 60811-404 Bending radius (fixed) 6 × Outer diameter Bending radius (fixed) 12 × Outer diameter No. of bending cycles (C-track) 5 m \oplus 25 °C Traversing distance (C-track) 5 m \oplus 25 °C		0,25 mm ²
Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance 100 $\Omega \pm 15\% @ 1$ MHz Electrical resistance line constant wire 79,5 Ω /km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 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 EC 60032-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 × Outer diameter Bending radius (dynamic) 12 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,2 A Characteristic impedance $100 \Omega \pm 15 \% 0 1 \text{ MHz}$ Electrical resistance line constant wire 79,5 Ω /km $0 20 ^{\circ}$ C AC withstand voltage (wire - wire) $1.5 \text{ kV} 0 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) $1.5 \text{ kV} 0 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} 0 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} 0 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} 0 60 \text{ s}$ Min. operating temperature (static) $40 ^{\circ}$ C Max. operating temperature (fixed) $80 ^{\circ}$ C Operating temperature min. (dynamic) $30 ^{\circ}$ C Operating temperature max. (dynamic) $70 ^{\circ}$ C Flame resistance $100 ^{\circ}$ EC Good, application-related testing $100 ^{\circ}$ Ec Good, application-related testing $100 ^{\circ}$ Ending radius (fixed) $100 ^{\circ}$ Ec Good, application-related testing $100 ^{\circ}$ Ending radius (fixed) $100 ^{\circ}$ Ec Good, application-related testing $100 ^{\circ}$ Ending radius (fixed) $100 ^{\circ}$ Ec Good, application-related testing $100 ^{\circ}$ Ending radius (fixed) $100 ^{\circ}$ Ec Witer diameter Bending radius (dynamic) $100 ^{\circ}$ Ec Witer diameter Bending radius (dynamic) $100 ^{\circ}$ Ec Witer diameter No. of bending cycles (C-track) $100 ^{\circ}$ Ec Min. $100 ^{\circ}$ Ec C Traversing distance (C-track) $100 ^{\circ}$ Ec Min. $100 ^{\circ}$ Ec C	Conductor type (wire)	strand class 6
Current load capacity min. wire 3.2 A Characteristic impedance $100 \Omega \pm 15\% @ 1 \text{ MHz}$ Electrical resistance line constant wire $79.5 \Omega/\text{km} @ 20 °\text{C}$ AC withstand voltage (wire - wire) $1.5 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - jacket) $1.5 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $40 °\text{C}$ Max. operating temperature (fixed) $80 °\text{C}$ Operating temperature min. (dynamic) $70 °\text{C}$ Flame resistance IEC $60332 \cdot 2 \cdot 2 \cdot \text{ UL } 1581 \cdot 100 \text{ FT2} \cdot \text{ UL } 1581 \cdot 100 \text{ PT2}$ Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN $60811 \cdot 404$ Bending radius (fixed) $6 \times \text{ Outer diameter}$ Bending radius (dynamic) $12 \times \text{ Outer diameter}$ No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) $5 \text{ m} @ 25 °\text{ C}$	Nominal voltage AC max.	125 V
Current load capacity min. wire 3.2 A Characteristic impedance $100 \Omega \pm 15\% @ 1 \text{ MHz}$ Electrical resistance line constant wire $79.5 \Omega/\text{km} @ 20 °\text{C}$ AC withstand voltage (wire - wire) $1.5 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - jacket) $1.5 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $40 °\text{C}$ Max. operating temperature (fixed) $80 °\text{C}$ Operating temperature min. (dynamic) $70 °\text{C}$ Flame resistance IEC $60332 \cdot 2 \cdot 2 \cdot \text{ UL } 1581 \cdot 100 \text{ FT2} \cdot \text{ UL } 1581 \cdot 100 \text{ PT2}$ Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN $60811 \cdot 404$ Bending radius (fixed) $6 \times \text{ Outer diameter}$ Bending radius (dynamic) $12 \times \text{ Outer diameter}$ No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) $5 \text{ m} @ 25 °\text{ C}$	Current load capacity (standard)	to DIN VDE 0298-4
Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $79.5 \Omega / \text{km} @ 20 ^{\circ} \text{C}$ AC withstand voltage (wire - wire) $1.5 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - iacket) $1.5 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $-40 ^{\circ} \text{C}$ Max. operating temperature (fixed) $80 ^{\circ} \text{C}$ Operating temperature min. (dynamic) $-30 ^{\circ} \text{C}$ Operating temperature max. (dynamic) $70 ^{\circ} \text{C}$ Flame resistance $\text{IEC } 60332 \cdot 2 \cdot 2 \cdot 2 \text{ I UL } 1581 \$ 1100 \text{ FT2 UL } 1581 \$ 1090$ chemical resistance $\text{Good, application-related testing}$ Gasoline resistance $\text{Good, application-related testing}$ Oil resistance $\text{Good, application-related testing}$ Oil resistance $\text{Good, application-related testing}$ Bending radius (fixed) $\text{6 x Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$ No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 Mio. Best Co.		3,2 A
AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Fower frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - wire - withstand voltage (wire - shield) AC withstand voltage (wire - withstand voltage (wire - shield) AC withstand voltage (wire - withstand voltage (with withstand voltage (withstand voltage (with withstand voltage (with withstand voltage (with	Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,5 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 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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Electrical resistance line constant wire	79,5 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (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 Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 × Outer diameter Bending radius (dynamic) 12 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (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 Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 × Outer diameter Bending radius (dynamic) 12 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Electrical capacity line constant (wire - wire)	60000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	. ,	
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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
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 Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Min. operating temperature (static)	-40 °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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Max. operating temperature (fixed)	80 °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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Operating temperature min. (dynamic)	-30 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Gasoline resistance	
Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Bending radius (fixed)	
No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Bending radius (dynamic)	12 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C	No. of bending cycles (C-track)	
	Travel speed (C-track)	-