

M12 female 90° B-cod. with cable shielded

PUR 3x2x0.25 shielded vt 0.6m

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

Further cable lengths on request.

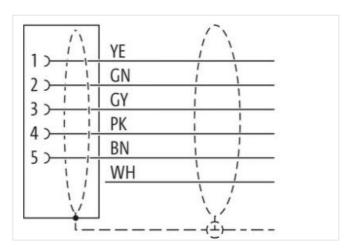
Plastic housings with good resistance against chemicals and oils.

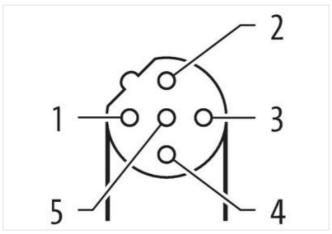
The resistance to aggressive media should be individually tested for your application. Further details on request.

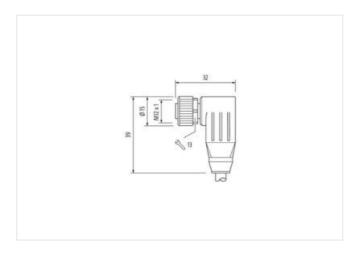
Link to Product

Illustration









Product may differ from Image









Cable length

0,6 m

Side 1

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: 2024-05-18



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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	4048879297660
Packaging unit	1
Electrical data Supply	'
	00.14
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)	I
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	



stay connected

Annount stranding 3 Stranding 2 wires briefed Annount stranding (type 2) 1 Stranding (type) 3 Stranded joints with 3 Filler twisted Cable shielding (type) copper freed, Inned Each shielding (type) 85 % Bab shielding (type) 85 % Each shielding (type) (white, thorw), (gray, pink), (green, yellow) Cable weight 76 49 gm Material glacket PUR Freedom from impredients (jacket) 10 Bud Freez, cadmium-free, CFC-free, halogen-free, silicone-free Freedom from impredients (jacket) 7,7 mm Foreigneet (glacket) 1,4 mm Outer diameter (sheath) 5 % Shore hardness (she in suitation 1,4 mm Outer diameter (sheath) 5 % % Shore hardness (she in suitation 5 % % Ingredient freenes (wire in suitation 5 % % Ingredient freenes (wire in suitation	Jacket Color	violet
Amount stranding (type 2) 3 Stranded joints with 3 Filler twisted Cable shiekting (type) copper braid, funed Cable shiekting (coverage) 85 % Bandring Fleece Filter yes wire arrangement (white, brown), (gray, pink), (green, yellow) Cable weigh 76,49 gm Material jacket PUR Shore hardness jacket 55 ± 5 Shore A Freedom from ingredients (jacket) 7,7 mm Cuter-diameter (speker) 7,7 mm Tolerance outer diameter (sheath) 5 % Material wire insulation PE Amount wires 6 Outer-diameter insulation 1,4 mm Outer diameter insulation 5 % Shore hardness wire insulation 5 % Ingredient freeness wire insulation 5 % Ingr	Amount stranding	3
Stranding (type 2) 3 Stranded joints with 3 Filler twisted	Stranding	2 wires twisted
Cable shielding (type) copper braid, finned Cable shielding (coverage) 85 % Bandring Filece Filler yes wire arrangement (white, brown), (gray, pink), (green, yellow) Cable weighh 76.49 g/m Material jacket PUR Shore hardness (acket) 85 ± 5 Shore A Freedon from ingoedients (gabet) lead free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 2 5 % Material wire insulation 7 7 mm Outer diameter (jacket) 2 5 % Material wire insulation 1,4 mm Outer diameter (sheath) 2 5 % Shore hardness wire insulation 1,4 mm Outer diameter (sheath) 5 5 ± 5 Shore D Ingredient fleeness wire insulation 5 5 ± 5 Shore D Ingredient fleeness wire insulation 5 5 ± 5 Shore D Ingredient fleeness wire insulation 5 5 ± 5 Shore D Ingredient fleeness wire insulation 5 5 ± 5 Shore D Ingredient fleeness wire insulation 5 5 ± 5 Shore D Conductor type (wire) 3 5 ± 5 Shore D	Amount stranding (type 2)	1
Cable shielding (coverage) 85 % Banding Fleece Filler yes wire arrangement (white, brown), (gray, pink), (green, yellow) Cable weight 76.49 g/m Material jacket PUR Shore hardness jacket 85.15 Shore A Freedom from ingredients (jacket) 7.7 mm Outer diameter (jacket) 7.7 mm Tolerance outer diameter (hearth) 1.5 % Amount wires 6 Outer diameter folerance core insulation 9E Amount wires wire insulation 55.5 Shore D Outer diameter tolerance core insulation 55.5 Shore D Ingredient freeness wire insulation 55.5 Shore D Ingredient freeness wire insulation 55.5 Shore D Onductor consecuted (wire) 32 Diameter of single wires 0,1 mm Conductor treases wire insulation 55.5 Shore D Ingredient freeness wire insulation 55.5 Shore D Material conductor wire Stranded opper wire, bare Conductor (yellow) 57.5 Shore D Ingredient freeness wire insulation <	Stranding (type 2)	3 Stranded joints with 3 Filler twisted
Banding Fleece Filter yes wire arrangement (white, brown), (gray, pink), (green, yellow) Cable weight 76,49 g/m Material jacket PUR Shore hardness jacket 65 ± 5 Shore A Freedom from ingredients (gacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,7 mm Tolerance buter dameter (sheath) 4 5 % Material wire insulation PE Outer diameter insulation 1,4 mm Outer diameter insulation 5 5 Shore D Shore hardness wire insulation 5 5 Shore D Ingredient freeness wire insulation 5 1 mm Conductor type (wire ship wire ship wire ship wire sh	Cable shielding (type)	copper braid, tinned
Filter wire arrangement (white, brown), (gray, pink), (green, yellow) Alterial jacket PUR Shore hardness jacket PUR Material wire insulation PE Amount wires 6 6 Curter diameter insulation 1.4 mm Cuter diameter insulation 1.4 mm Cuter diameter insulation 1.5 ± 5 % De Shore hardness wire insulation 1.5 ± 5 % De Shore hardness wire insulation 1.5 ± 5 % De Shore hardness wire insulation 1.5 ± 5 % De Diameter of single wires 0.1 mm Cuter diameter wire insulation 1.5 ± 5 % De Diameter of single wires 0.1 mm Material conductor wire Stranded copper wire, bare Conductor or pressection (wire) 2.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) 5 tranded copper wire, bare Conductor type (wire) 5 traversing distance (C-track) 6 m @ 25 °C Nominal voltage (wire - wire) 7 to Diameter of the type of type	Cable shielding (coverage)	85 %
wire arrangement (whitle, brown), (gray, pink), (green, yellow) Cable weight 76,49 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 1,7 mm Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (shealth) ± 5 % Material wire insulation FE Outer diameter insulation 1,4 mm Outer diameter insulation 5 ± 5 Shore D Outer diameter insulation 5 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 1,4 mm Outer diameter insulation 5 ± 5 Shore D Ingredient freeness wire insulation 1,4 mm Conductor trype (wire) 32 Diameter of single wires 0,1 mm Conductor type (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded capper wire, bare Traversing distance (C-track) 5 m @ 25 °C Nominal voltage (wire) 3,2 A Current load capacity	Banding	Fleece
Cable weight 76,49 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, sillicone-free Outer-diameter (jacket) 7.7 mm Material wire insulation PE Amount wires 6 Cluster diameter insulation 1.4 mm Outer diameter insulation 5 ± 5 Shore D Under diameter insulation 5 ± 5 Shore D Shore hardness wire insulation 5 ± 5 Shore D Ingredient freeness wire insulation 1.4 mm Outer diameter of single wires 0,1 mm Conductor crosssection (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 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max 125 V Current load capacity rim, wire 3,2 A Characteristic inspectance 100 Ω ± 15 % @ 1 MHz Electrical spa	Filler	yes
Material jacket PUR Shore hardness jacket Shore A Set 5 Shore A Se	wire arrangement	(white, brown), (gray, pink), (green, yellow)
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 Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 6 Outer diameter lolerance core insulation 1,4 mm Outer diameter lolerance core insulation 55 ± 5 Shore D Ingredient freeness wire insulation 15 ± 5 Shore D Ingredient freeness wire insulation 15 ± 5 Shore D Ingredient freeness wire insulation 15 ± 5 Shore D Ingredient freeness wire insulation 15 ± 5 Shore D Ingredient freeness wire insulation 15 ± 5 Shore D Ingredient freeness wire insulation 15 ± 5 Shore D Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor or crossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voitage AC max. 125 V	Cable weigth	76,49 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 6 Outer diameter insulation 1,4 mm Uoter diameter folerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, FC-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 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 100 0 ± 1 5 % @ 1 MHz Electrical resistance line constant (wire - wire) 5,5 kW @ 60 s Electrical capacity line constant (wire - wire) 1,5 kW @ 60 s Electrical capacity line constant (wire - wire)	Material jacket	PUR
Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 6 Outer diameter insulation 1,4 mm 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 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 2094-4 Current load capacity min wire 3.2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical capacity 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 AC withstand voltage (wire - sheld)	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)	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 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 Taversing distance (C-track) 5 m @ 25 °C 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) 6000 pF/km Power frequency withstand voltage (wire - sine) 1,5 kV @ 60 s Min. operating temperature (fixed) 40 °C Max. oper	Outer-diameter (jacket)	7,7 mm
Amount wires 6 Outer diameter insulation 1.4 mm 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 Traversing distance (C-track) 5 m @ 25 °C 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) 1,5 kV @ 60 s	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingradient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor vire Stranded copper wire, bare Conductor Vire (wire) \$1 stranded copper wire, bare Conductor Vire (wire) \$1 stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C 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 - 3/5,5 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 line prevalure (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (min. (dynamic) 70 °C<	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 Traversing distance (C-track) 5 m @ 25 °C 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 71,5 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 AC 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) 40 °C Max. operating temperature (static)	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 Traversing distance (C-track) 5 m @ 25 °C 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 02 ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 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) 40 °C Max. operating temperature (min. (dynamic) 70 °C Coperating temperature min. (dynamic)<	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) strand class 6 Traversing distance (C-track) 5 m @ 25 °C 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 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 fine constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s Min. operating temperature (statc) -40 °C Max. operating temperature (fixed) 80 °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 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	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 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win. wire 3,2 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ωkm @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity with stand voltage (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - sheld) 1,5 kV @ 60 s AC withstand voltage (wire - sheld) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance EC Good, application-related testing Casoline resistance Good, application-related testing Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	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) stand class 6 Traversing distance (C-track) 5 m @ 25 °C 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) 60000 pF/km Power frequency withstand voltage (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 (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 DIN EN 60811-404 B	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 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 125 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3.2 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 - inacket) 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 DIN EN 60811-404 Bending radius (fixed) 6 x Outer dia	Amount strands (wire)	32
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 125 V Current load capacity (standard) Current load capacity min. wire 3,2 A Characteristic impedance 10 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 79,5 Ωkm @ 20 °C AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Flacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) I,5 kV @ 60 s Min. operating temperature (static) AO °C Max. operating temperature (fixed) Bo °C Operating temperature min. (dynamic) 70 °C Flame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 6 × Outer diameter Bending radius (fixed) 6 × Outer diameter Bending radius (dynamic) 12 × Outer diameter	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C 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 - 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 DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Conductor crosssection (wire)	0,25 mm²
Traversing distance (C-track) $5 \text{ m} \otimes 25 ^{\circ}\text{C}$ 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 $100 \Omega \pm 15 ^{\circ} \otimes 1 \text{ MHz}$ Electrical resistance line constant wire $79.5 \Omega \text{/km} \otimes 20 ^{\circ}\text{C}$ AC withstand voltage (wire - wire) $1.5 \text{ kV} \otimes 60 \text{ s}$ Electrical capacity line constant (wire - wire) 60000 pF/km Power frequency withstand voltage (wire - shield) $1.5 \text{ kV} \otimes 60 \text{ s}$ AC withstand voltage (wire - shield) $1.5 \text{ kV} \otimes 60 \text{ s}$ 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 $100 ^{\circ}\text{C} \otimes 100 ^{\circ}\text{C}$ Good, application-related testing $100 ^{\circ}\text{C} \otimes 100 ^{\circ}\text{C}$ Gasoline resistance $100 ^{\circ}\text{C} \otimes 100 ^{\circ}\text{C}$ Good, application-related testing $100 ^{\circ}\text{C} \otimes 100 ^{\circ}\text{C}$ Oil resistance $100 ^{\circ}\text{C} \otimes 100 ^{\circ}\text{C}$ Good, application-related testing $100 ^{\circ}\text{C} \otimes 100 ^{\circ}\text{C}$ Bending radius (fixed) $100 ^{\circ}\text{C} \otimes 100 ^{\circ}\text{C}$ Bending radius (fixed) $100 ^{\circ}\text{C} \otimes 100 ^{\circ}\text{C}$	Material conductor wire	Stranded copper wire, bare
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 $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ 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 IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 × Outer diameter Bending radius (dynamic) 12 × Outer diameter	Conductor type (wire)	strand class 6
Current load capacity (standard) to DIN VDE 0298-4 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 - size and voltage (wire - size and voltage) 60000 pF/km Power frequency withstand voltage (wire - size and voltage) 60000 pF/km AC withstand voltage (wire - shield) $1.5 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) 60000 pF/km Max. operating temperature (fixed) 60000 pF/km Operating temperature min. (dynamic) 600000 pF/km Power frequency withstand voltage (wire - shield) 600000 pF/km Max. operating temperature (fixed) $6000000000000000000000000000000000000$	Traversing distance (C-track)	5 m @ 25 °C
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 - iacket) 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 Gir resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	Nominal voltage AC max.	125 V
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 - 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	Current load capacity (standard)	to DIN VDE 0298-4
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 - 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	Current load capacity min. wire	3,2 A
AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) AC withstand temperature (fixed) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance 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	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 × Outer diameter Bending radius (dynamic) 12 × Outer diameter	Electrical resistance line constant wire	79,5 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) 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	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Jacket) AC withstand voltage (wire - shield) 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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	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) 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		1,5 kV @ 60 s
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	AC withstand voltage (wire - shield)	1,5 kV @ 60 s
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 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	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	Max. operating temperature (fixed)	80 °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	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	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	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	chemical resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
	Bending radius (fixed)	6 x Outer diameter
Travel speed (C-track) 2 Mio. @ 25 °C	Bending radius (dynamic)	12 x Outer diameter
	Travel speed (C-track)	2 Mio. @ 25 °C