

stay connected

RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA 3m

Ethernet CAT5 Male straight - male straight RJ45 - RJ45, 4-pole shielded

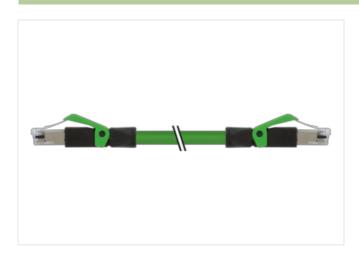
Further cable lengths on request.

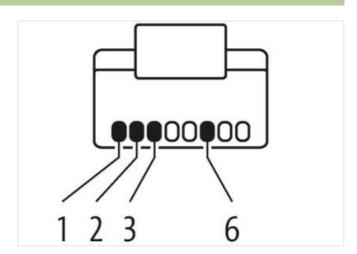
Plastic housings with good resistance against chemicals and oils.

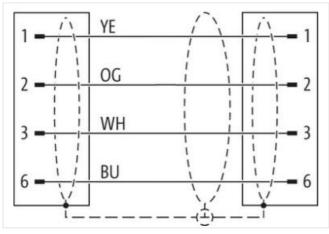
The resistance to aggressive media should be individually tested for your application. Further details on request.

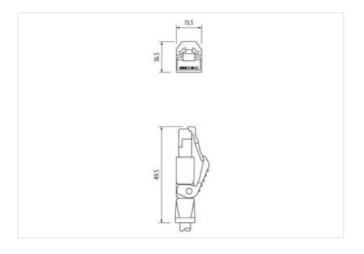
Link to Product

Illustration









Product may differ from Image









Cable length

3 m

Side 1

Mounting method inserted



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Family construction form	RJ45
No. of poles	4
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	EC002599
customs tariff number	85444210
GTIN	4048879435864
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fun	
·	•
duplex	Full duplex
Diagnostics	
Status indication LED	no
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP20
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
•	DUD
Material housing	PUR
Locking material	PA
Mechanical data Mounting data	
Looking techniques	Snap-in connector
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on strain relief	The state of the s
Note on strain relief 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.
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.
Note on bending radius	endangered by excessive bending forces.
Note on bending radius Installation Cable Cable identification	endangered by excessive bending forces. 794
Note on bending radius	endangered by excessive bending forces.

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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Cable shielding (coverage) 85 % Banding Fleece, Foil Filtier yes wire arrangement white, yellow, blue, orange Cable weight 75,87 g/m Malariar jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) 6.7 mm Color diameter (jacket) 6.7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) white Material wire insulation PE Amount wires 4 Quier diameter insulation 1,55 mm Outer diameter insulation 1,55 fore D Ingredient freeness wire insulation 1,55 fore D Ingredient freeness wire insulation 1,25 fore D	Stranding	4 wires around Filler twisted
Banding Fleece, Foil	Cable shielding (type)	copper braid, tinned
Filler yes white, yellow, blue, orange Abla variangement white, yellow, blue, orange Cable weight 75,87 g lm Matorial jackot PUR Shore hardness jacket 88 Shore A Freedom from lingredients (jacket) lead-free, admium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Cotor (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter insulation PE Shore hardness wire insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1 = 5 % Diameter of single wires 2 2 AWG Conductor crosssection (wire) 22 AWG Conductor crosssection (wire) 22 AWG Conductor crosssection (wire) 22 AWG Corrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min wire 4, 8, 8 Characteristic jim constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical resistance line constant wire 50 CP Frower frequency withstand voltage (wire - wire) 1 picket) 1	Cable shielding (coverage)	85 %
wire arrangement white, yellow, blue, orange Gable weight 75,87 g/m Material jacket PUR Shore hardness jacket 88 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRING Cotor (inner jacket) #FRING Outer diameter insulation PE Amount wires 4 Couter diameter tolerance order insulation #FRING Outer diameter insulation #FRING Outer diameter insulation #FRING Outer diameter insulation #FRING Outer diameter tolerance order insulation #FRING Outer diameter #FRING Outer diameter insulation #FRING Outer diameter insulation #FRING Outer diameter #FRING	Banding	Fleece, Foil
Cable weigh 75,87 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance under simeter (sheath) ± 5 % Material inner jacket FRNC Color (mer jacket) white Material wire nustation PE Amount wires 4 Outer diameter insulation 1,55 mm Unter diameter tolerance core insulation 65 Shore D Ingredient freeness wire insulation 66 Shore D Ingredient freeness wire insulation 67 Fr.	Filler	yes
Material jacket PUR Shore hardness jacket 59 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sebath) ± 5 % Material inner jacket FRNC Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter tolerance core insulation 1,55 mm Outer diameter sinulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 45 Shore D Ingredient freeness wire insulation 15 Shore D Conductor of single wires 22 AWG Conductor of single wires 22 AWG Material conductor wire Stranded copper wire, bare Nominal vollage AC max. 300 Y Current load capacity (standard) to DIN VDE 0298-4	wire arrangement	white, yellow, blue, orange
Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material inner jacket FRNC Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter rolerance core insulation 65 Shore D Shore hardness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (inin wire 4.8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 50 Mm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 20000 pF/km Power frequency withstand voltage (wi	Cable weigth	75,87 g/m
Freedom from ingradients (jacket) lead-free, cadminum-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation 5 % Shore pardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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 4.8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Fleuerrial capacity line constant (wire - wire) 5000 pF/km	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket FRNC Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation £ 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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 4,8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 ° C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical papacity interconstant (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield)	Outer-diameter (jacket)	6,7 mm
Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter insulation 1.55 mm Outer diameter tolerance core insulation £ 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 0± 15 % Electrical resistance line constant wire 50 //km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (Tolerance outer diameter (sheath)	±5%
Material wire insulation PE Amount wires 4 Outer dameter insulation 1,55 mm Outer dameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Armount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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 4,8 A Characteristic impedance 100 Ω± 15 % Electrical resistance line constant (wire - wire) 50 Ωrm @ 20 °C AC withstand voltage (wire - wire) 5000 pF/km Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C <td< td=""><td>Material inner jacket</td><td>FRNC</td></td<>	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter loterance core insulation £ 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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 (wire wire) 4,8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity (ine constant (wire - wire) 2 kV @ 60 s Electrical capacity (ine constant (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C	Color (inner jacket)	white
Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity wire 4.8 A Characteristic impedance 100 Ω± 1.5 % Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant vire 52000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -30 °C Operating temperature (static) -6 °C Flame resistance U. 1581 § 1090 IEC 60332-2-2 UL 1581	Amount wires	4
Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 °s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 °s AC withstand voltage (wire - shield) 2 kV @ 60 °s Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance	Outer diameter insulation	1,55 mm
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil 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	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - iacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 30 °C Operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Coperating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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	Shore hardness wire insulation	65 Shore D
Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - aicket) 2 kV @ 60 s AC withstand voltage (wire - shield) 4 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 Good, application-related testing Gasoline resistance Good, application-related testing Good, application-related testing Good, application-related testing Bending radius (fixed) 6 x Outer diameter	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire) Authorization conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 190 IEC 60332-2-2 UL 1581 § 1100 FT2 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	Amount strands (wire)	7
Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance $100 \Omega \pm 15 \%$ Electrical resistance line constant wire $55 \Omega / \text{km} \otimes 20 ^{\circ}\text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} \otimes 60 \text{s}$ Electrical capacity line constant (wire - wire) 52000pF/km Power frequency withstand voltage (wire - $2 \text{ kV} \otimes 60 \text{s}$ Electrical capacity line constant (wire - $2 \text{ kV} \otimes 60 \text{s}$ Electrical capacity line constant (wire - $2 \text{ kV} \otimes 60 \text{s}$ Electrical capacity line constant (wire - $2 \text{ kV} \otimes 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \otimes 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \otimes 60 \text{s}$ Min. operating temperature (fixed) $80 ^{\circ}\text{C}$ 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 $UL 1581 \S 1090 $	Diameter of single wires	22 AWG
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance $100 \Omega \pm 15 \%$ Electrical resistance line constant wire $55 \Omega / \text{km} \oplus 20 \text{ °C}$ AC withstand voltage (wire - wire) $2 \text{ kV} \oplus 60 \text{ s}$ Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - $2 \text{ kV} \oplus 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} \oplus 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} \oplus 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \oplus 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \oplus 60 \text{ s}$ Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance $0 \text{ UL} 1581 \S 1090 \text{ IEC} 60332-2-2 \text{ UL} 1581 \S 1100 \text{ FT2}}$ 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) $6 \times \text{ Outer diameter}$	Conductor crosssection (wire)	22 AWG
Current load capacity (standard) Current load capacity min. wire 4,8 A Characteristic impedance 100 \(\Omega \pm 15 \\ \% Electrical resistance line constant wire AC withstand voltage (wire - wire) 2 kV \(\Omega 60 \) s Electrical capacity line constant (wire - wire) 2 kV \(\Omega 60 \) s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - shield) AC withstand voltage (wire - shield) 2 kV \(\Omega 60 \) s Min. operating temperature (static) 40 \(\Omega C Max. operating temperature (fixed) 80 \(\Omega C Operating temperature min. (dynamic) 70 \(\Omega C Flame resistance UL 1581 \(\Sigma 1090 \) IEC 60332-2-2 UL 1581 \(\Sigma 1100 \) FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 4,8 A Characteristic impedance 100 \(\Omega \pm 15 \)% Electrical resistance line constant wire 55 \(\Omega \text{km} \) @ 20 °C AC withstand voltage (wire - wire) 2 kV \(\Omega \text{60 s} \) Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - iacket) AC withstand voltage (wire - shield) 2 kV \(\Omega \text{60 s} \) AC withstand voltage (wire - shield) 2 kV \(\Omega \text{60 s} \) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 \(\gred \text{1090 IEC 60332-2-2 UL 1581 \(\gred \gred \text{100 FT2} \) 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	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \%$ Electrical resistance line constant wire 55Ω /km @ $20 \degree$ C AC withstand voltage (wire - wire) $2 \text{ kV} \oplus 60 \text{ s}$ Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - jacket) $2 \text{ kV} \oplus 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \oplus 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \oplus 60 \text{ s}$ Min. operating temperature (static) $40 \degree$ C Max. operating temperature (fixed) $80 \degree$ C Operating temperature min. (dynamic) $30 \degree$ C Operating temperature max. (dynamic) $70 \degree$ C Flame resistance $0 \text{ UL } 1581 \S 1090 \text{IEC } 60332 \cdot 2 \cdot 2 \text{ UL } 1581 \S 1100 \text{ FT2}$ chemical resistance $0 \text{ Good, application-related testing}$ Gasoline resistance $0 \text{ Good, application-related testing}$ Oil resistance $0 \text{ Good, application-related testing}$ Bending radius (fixed) $0 \text{ KV} \oplus 0 \text{ C}$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 55 \(\Omega/km \) \(\end{align*} 20 \) \(\cdot \) \(\text{AC withstand voltage (wire - wire)} \) 2 kV \(\end{align*} 60 \) s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV \(\end{align*} 60 \) s AC withstand voltage (wire - shield) 2 kV \(\end{align*} 60 \) s Min. operating temperature (static) -40 \(\cdot \) C Max. operating temperature (fixed) 80 \(\cdot \) C Operating temperature min. (dynamic) -30 \(\cdot \) C Operating temperature max. (dynamic) 70 \(\cdot \) C Flame resistance UL 1581 \(\struct 1581 \) \(\struct 100 \) IEC 60332-2-2 UL 1581 \(\struct 110 \) TTZ chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	Current load capacity min. wire	4,8 A
AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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	Characteristic impedance	100 Ω ± 15 %
Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield) AC withstand voltage (wire shield)	Electrical capacity line constant (wire - wire)	52000 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 UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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	Max. operating temperature (fixed)	80 °C
Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 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	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	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	Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter	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 (fixed)	6 x Outer diameter
	Bending radius (dynamic)	12 x Outer diameter