

RJ45 male 0° with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 10m

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5e

Male straight

RJ45, 4-pole

shielded

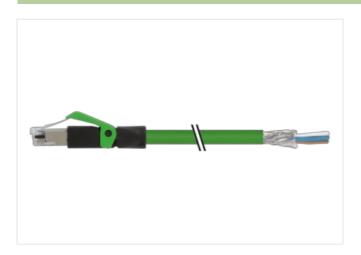
Further cable lengths on request.

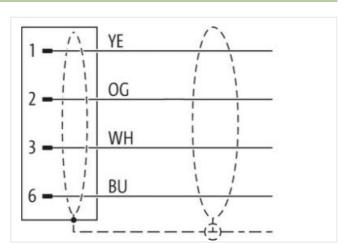
Plastic housings with good resistance against chemicals and oils.

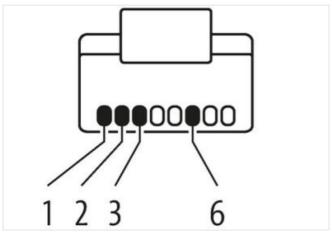
The resistance to aggressive media should be individually tested for your application. Further details on request.

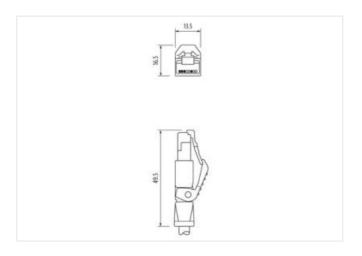
Link to Product

Illustration









Product may differ from Image









Cable length

10 m

Commercial data



stay connected

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	4048879403665
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fun	
•	•
duplex	Full duplex
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP20
Additional condition protection degree	inserted, screwed
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	
Material housing	PUR
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 leads, a grow the years of cable time
	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Installation Cable	
Cable identification	796
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weigth	69,3 g/m

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



stay	connect	ed

Shore Narrhees jacket 99 Shore A Freedom from ingredients (jacket) lead free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket) FINC Color (inner jacket) natur Material wire insulation PE Outer diameter insulation 1,4 mm Outer diameter 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 crossaction (wire) 22 AWG Conductor crossaction (wire) 22 AWG Material conductor wire Stranded copper wire, bare Traversing dislance (C-track) 5 m @ 25° C Travel speed (C-track) 3,3 m/s @ 25° C 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 % @ 100 MHz Electrical capacity limic constant wire 2 kW @ 60 s Electrical capacity limic promperature (static) 2 kW @ 60 s	Shore hardness jacket	89 Shore A
Tolerance outer diameter (shealth)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket FRNC Color (inner jacket) natur Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 65 Shore D Under diameter insulation 65 Shore D Ingredient freeness wire insulation 82 AWG Conductor crossection (wire) 3 Mino @ 25 °C Travel speed (C-track) 3 Mino @ 25 °C Travel speed (C-track) 3,3 mino @ 25 °C Current load capacity (standard)	Outer-diameter (jacket)	6,7 mm
Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter blerance core insulation 2.5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 1 dead-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 Traver signed (C-track) 5 m ≥ 2° °C Travel speed (C-track) 3 Mio. ⊕ 2° °C Travel speed (C-track) 3 Mio. ⊕ 2° °C Travel speed (C-track) 3.3 m/s ⊕ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) 10 In VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % ⊕ 100 MHz Electrical capacity line constant wire 50 Nkm ⊕ 20 °C AC withstand voltage (wire - wire) 2 kV ⊕ 60 s	Tolerance outer diameter (sheath)	± 5 %
Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation 65 %hore D Shore hardness wire insulation 66 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 Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (in wire 4.8 A Chracteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical capacity line constant (wire - wire) 5 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withs	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1,4 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 wie Stranded copper wire, bare Travels pased (C-track) 5 me 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω± 15 %@ 100 MHz Electrical resistance line constant wire 55 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 500km @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MC × km Min. operating temperature (static) <td>Color (inner jacket)</td> <td>natur</td>	Color (inner jacket)	natur
Outer diameter insulation 1,4 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 Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) 3 Mio @ 25 °C Travel speed (C-track) 3,3 m's @ 25 °C 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 % @ 100 MHz 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) 500000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Clocy resistance 5000 MΩ × km Min. operating temperature (static) 40 °C	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 crossection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C 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 % @ 100 MHz Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical resistance line constant (wire - wire) 2 kV @ 60 s Electrical resistance with stand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature (static) -30 °C	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 Traver sing distance (C-track) 5 m @ 25 °C Traver speed (C-track) 3 Min. @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C 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 0 ± 15 % @ 100 MHz 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) 50000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 50000 MΩ x km Min. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) 30 °C <td>Outer diameter insulation</td> <td>1,4 mm</td>	Outer diameter insulation	1,4 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 Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C 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 % @ 100 MHz 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 capacity withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km Min. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) 7	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 Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C 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 % @ 100 MHz Electrical resistance line constant wire 55 M/m @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MM ≥ km Min. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing	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 Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3.3 m/s @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Electrical resistance (standa	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C 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 % @ 100 MHz 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) 50000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 109 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gli resistance <th< td=""><td>Amount strands (wire)</td><td>7</td></th<>	Amount strands (wire)	7
Material conductor wire Stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3,3 m's @ 25 °C 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 $100 \Omega \pm 15 \% @ 100 \text{MHz}$ 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) 50000 pF/km Power frequency 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) 40 °C AC AC withstand voltage (wire - shield) 40 °C AC AC withstand voltage (wire - shield) 50000 pF/km Power firequency withstand voltage (wire - shield) 2 kV @ 60 s AC AC withstand voltage (wire - shield) 40 °C AC	Diameter of single wires	22 AWG
Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C 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 % @ 100 MHz 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) 50000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km 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 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) </td <td>Conductor crosssection (wire)</td> <td>22 AWG</td>	Conductor crosssection (wire)	22 AWG
Travel speed (C-track) 3 Mio @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C 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 $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $50 \text{ N/m} @ 20 °C$ AC withstand voltage (wire - wire) $2 \text{ kV } @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - shield) $2 \text{ kV } @ 60 \text{ s}$ Loop resistance $5000 \text{ MΩ} \times \text{km}$ 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 $1000 \text{ kg} = 1000 \text{ kg} = 1000 \text{ kg}$ Gasoline resistance $1000 \text{ kg} = 1000 \text{ kg} = 1000 \text{ kg}$ Gasoline resistance $1000 \text{ kg} = 1000 \text{ kg} = 1000 \text{ kg}$ Oil resistance $1000 \text{ kg} = 1000 \text{ kg} = 1000 \text{ kg}$ Oil resistance $1000 \text{ kg} = 1000 \text{ kg} = 1000 \text{ kg}$ Ood, applic	Material conductor wire	Stranded copper wire, bare
Travel speed (C-track) 3,3 m/s @ 25 °C 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 $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} @ 20 ° \text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Power frequency withstand voltage (wire - jacket) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Loop resistance $5000 \text{ M} \Omega \times \text{ km}$ Min. operating temperature (static) $40 ° \text{ C}$ Max. operating temperature (fixed) $80 ° \text{ C}$ Operating temperature min. (dynamic) $30 ° \text{ C}$ Operating temperature max. (dynamic) $70 ° \text{ C}$ Flame resistance $10 ° \text{ C}$ Gasoline resistance $10 ° \text{ C}$ Gasoline resistance $10 ° \text{ C}$ Oil resistance $10 ° \text{ C}$ Bending radius (fixed) $5 × \text{ Cuter diameter}$ Bending radius (dynamic) $12 × \text{ Outer diameter}$ <	Traversing distance (C-track)	5 m @ 25 °C
Nominal voltage AC max. 300 V Current load capacity (standard) Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Electrical capacity line accusate (wire - wire) Electrical capacity line constant (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical resistance Electrical capacity line accusate (wire - wire) Electrical re	Travel speed (C-track)	3 Mio. @ 25 °C
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} @ 20 ° \text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$ Min. operating temperature (static) $-40 ° \text{C}$ Max. operating temperature (fixed) $80 ° \text{C}$ Operating temperature min. (dynamic) $-30 ° \text{C}$ Operating temperature max. (dynamic) $70 ° \text{C}$ Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$	Travel speed (C-track)	3,3 m/s @ 25 °C
Current load capacity min. wire 4,8 A Characteristic impedance 100 $\Omega \pm 15\% \oplus 100 \text{MHz}$ Electrical resistance line constant wire 55 Ω /km \oplus 20 °C AC withstand voltage (wire - wire) 2 kV \oplus 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - garden) 2 kV \oplus 60 s AC withstand voltage (wire - shield) 2 kV \oplus 60 s AC withstand voltage (wire - shield) 2 kV \oplus 60 s Loop resistance 5000 M Ω × km Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 12 × Outer diameter No. of torsion cycles 1 Mio. 25 °C	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} @ 20 ^{\circ} \text{C}$ AC withstand voltage (wire - wire) $2 \text{kV} @ 60 \text{s}$ Electrical capacity line constant (wire - wire) 50000pF/km Power frequency withstand voltage (wire - iacket) $2 \text{kV} @ 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{kV} @ 60 \text{s}$ Loop resistance $5000 \text{M}\Omega \times \text{km}$ 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 $[\text{EC } 60332 \cdot 2 \cdot 2 \cdot \text{UL } 1581 \S 1090 \text{UL } 1581 \S 1100 \text{FT2}$ chemical resistance $[\text{Good, application-related testing}]$ Oil resistance $[\text{DIN } \text{EN } 60811 \cdot 404 \text{Good, application-related testing}]$ Bending radius (fixed) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$ No. of torsion cycles $1 \text{Mio. 25} ^{\circ} \text{C}$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 55 \(\Omega/r\mathbb{R} \) \(\end{align*} \) 2 kV \(\end{align*} \) 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV \(\end{align*} \) 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV \(\end{align*} \) 60 s Loop resistance 5000 M\(\Omega \times \times \times \) Loop resistance 5000 M\(\Omega \times \times \times \) 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 \(\) 1090 UL 1581 \(\) 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Current load capacity min. wire	4,8 A
AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km 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 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Characteristic impedance	100 Ω ± 15 % @ 100 MHz
Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km 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 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 12 × Outer diameter No. of torsion cycles 1 Mio. 25 °C	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Loop resistance $5000 \text{ MΩ} \times \text{km}$ 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 $60332-2-2 \text{ UL } 1581 \text{ § } 1090 \text{ UL } 1581 \text{ § } 1100 \text{ FT2}$ chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN $60811-404 \text{ Good, application-related testing}$ Bending radius (fixed) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$ No. of torsion cycles $1 \text{ Mio. } 25 \text{ °C}$	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 12 × Outer diameter No. of torsion cycles 1 Mio. 25 °C	Electrical capacity line constant (wire - wire)	50000 pF/km
Loop resistance5000 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)12 x Outer diameterNo. of torsion cycles1 Mio. 25 °C		2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	AC withstand voltage (wire - shield)	2 kV @ 60 s
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 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Loop resistance	5000 MΩ × km
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Max. operating temperature (fixed)	80 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Operating temperature min. (dynamic)	-30 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter No. of torsion cycles 1 Mio. 25 °C	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of torsion cycles 1 Mio. 25 °C	Bending radius (fixed)	5 x Outer diameter
·	Bending radius (dynamic)	12 x Outer diameter
Torsion stress ± 180 °/m	No. of torsion cycles	1 Mio. 25 °C
	Torsion stress	± 180 °/m