

## RJ45 male 0° with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 15m

Product fulfills requirements according to UN/ECE R118

**Ethernet CAT5e** 

Male straight

RJ45, 4-pole

shielded

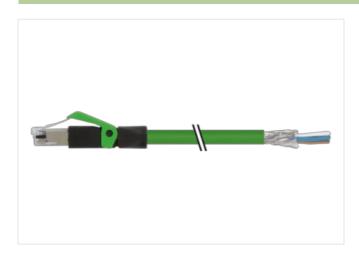
Further cable lengths on request.

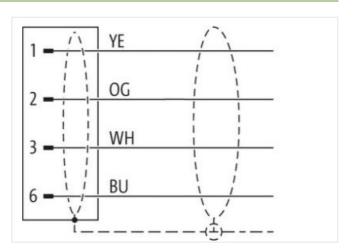
Plastic housings with good resistance against chemicals and oils.

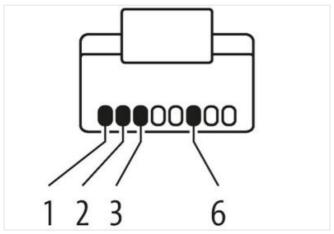
The resistance to aggressive media should be individually tested for your application. Further details on request.

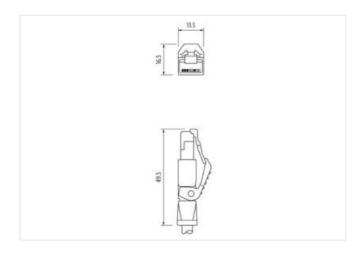
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

15 m

## Commercial data



stay connected

F01 400 0 0		
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	4048879434768	
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 functionality		
duplex	Full duplex	
·	I dil dopica	
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)	l .	
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 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	U J	
·	706	
Cable identification  Jacket Color	796 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	
	,	
	white, vellow, blue, orange	
wire arrangement  Cable weigth	white, yellow, blue, orange 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: 2024-05-17



stay connected
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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 line constant wire         2 kW @ 60 s           Electrical capacity line constant wire         2 kW @ 60 s <t< td=""><td>Shore hardness jacket</td><td>89 Shore A</td></t<>	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           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           Current load capacity min. wire         4,8 A           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           Clore insultance         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 $\Omega$ /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 active the properature (static) 40 °C AC AC withstand voltage (wire - shield) 5000 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 (mix. (dynamic)         -30 °C           Operating temperature (mix. (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)	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) $50000 \text{ pF/km}$ 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 accurate (wire - wire)  Electrical capacity line constant wire  Electrical capacity line accurate (wire - wire)  Electrical resistance  Electrical capacity line accurate (wire - wire)  Electrical resistance  Electrical capacity line accurate (wire - wire)  Electrical resistance  Electrical capacity line accurate (wire - wire)  Electrical resistance  Electrical capacity line accurate (wire - wire)  Electrical resistance  Electrical capacity line accurate (wire wire)  Electrical capacity line accurate (wire wire)  Electrical capacity line accurate (wire wire)  Electrical resistance line accurate (wire wire)  Electrical capacity line accurate (wire wire)  Electri	Travel speed (C-track)	3 Mio. @ 25 °C
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire $4.8 \text{ A}$ 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) $50000 \text{ pF/km}$ 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 $\Omega$ /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 $\Omega$ × 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) $50000  \text{pF/km}$ 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 $[\text{Good, application-related testing}]$ Gasoline resistance $[\text{DIN } \text{EN } 60811 \cdot 404    \text{Good, application-related testing}]$ Bending radius (fixed) $5 \times \text{Outer } \text{diameter}$ Bending radius (dynamic) $12 \times \text{Outer } \text{diameter}$ Bending radius (dynamic) $11 \times \text{Outer } \text{diameter}$ 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\( \Omega \times \text{km} \)  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   UL 1581 \( \green \) 1090   UL 1581 \( \green \) 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 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) $-40 \text{ °C}$ Max. operating temperature (fixed) $80 \text{ °C}$ Operating temperature min. (dynamic) $-30 \text{ °C}$ Operating temperature max. (dynamic) $70 \text{ °C}$ Flame resistance       IEC $60332-2-2 \text{   UL } 1581 \text{ § } 1090 \text{   UL } 1581 \text{ § } 1100 \text{ FT2}$ 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