

## RJ45 male 0° with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 7.5m

Product fulfills requirements according to UN/ECE R118

**Ethernet CAT5e** 

Male straight

RJ45, 4-pole

shielded

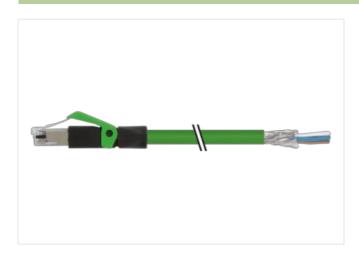
Further cable lengths on request.

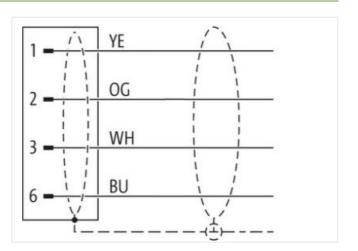
Plastic housings with good resistance against chemicals and oils.

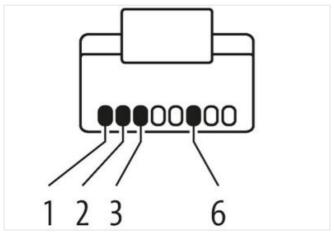
The resistance to aggressive media should be individually tested for your application. Further details on request.

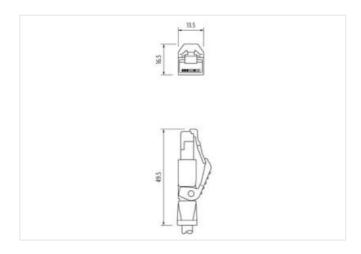
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

7,5 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	4048879403658
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	ctionality
duplex	Full duplex
·	i dii dapia
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	
•	Protect the connectors by quitable messures from machanical leads and but the connectors by quitable messures from machanical leads and but the connectors by quitable messures from machanical leads and the connectors by quitable messures from machanical leads and the connectors by quitable messures from machanical leads and the connectors by quitable messures from machanical leads and the connectors by quitable messures from machanical leads and the connectors by quitable messures from machanical leads and the connectors by quitable messures from machanical leads and the connectors by quitable messures from machanical leads and the connectors by quitable messures from machanical leads and the connectors by quitable messures from machanical leads and the connectors by quitable messures from machanical leads and the connectors by quitable messures from messures from messures from the connectors by quitable messures from messures from the connectors by quitable messures from the connectors by quitable messures from the connectors of the connec
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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be 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
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: 2024-05-18



stay connected

Shore hardness jacket   99 Shore A     lead-free, cadmium-free, CPC-free, halogen-free, silicone-free   lead-free, cadmium-free, ca	Material jacket	PUR
Outer-diameter (jacket)         6,7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket)         FINIC           Color (inner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,4 mm           Outer diameter insulation         5 %           Shore hardness wire insulation         65 Shore D           Ingredient feeness wire insulation         65 Shore D           Ingredient feeness wire insulation         7           Ingredient feeness wire insulation         7           Ingredient feeness wire insulation         85 Shore D           Ingredient feeness wire insulation         7           Ingredient feeness wire insulation         10 Earth fee, CFC-Free, halogen-free           Amount strands (wire)         7           Tolerater of single wires         22 AWG           Conductor vires         Stranded copper wire, bare           Tavel speed (C-track)         5 m @ 25 °C           Tavel speed (C-track)         3,3 m 'se ge's C           Nominal voltage (Vire - kine)         4,8 A           Current load capacity inin, wire         4,8 A           Current load capacity inin, wire         4,8 A </td <td>Shore hardness jacket</td> <td>89 Shore A</td>	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRNC           Color (Inner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         65 Shore D           Ingredient freases wire insulation         65 Shore D           Ingredient freases wire insulation         16 Shore D           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Travel speed (C-track)         5 m @ 25 °C           Travel speed (C-track)         3 Mio. @ 25 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket         FRNC           Color (inner jacket)         natur           Material wire insulation         PE           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         65 Shore D           Ingredient freeness wire insulation         85 Shore D           Ingredient freeness wire insulation         180 FG-Free Park           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (vivire)         22 AWG           Conductor crosssection (vivire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Travel 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)         10 DIN VDE 0298-4           Current load capacity min. wire         4,8 A           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical resistance line constan	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         5 %           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         16 Management           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 Y           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         25 Ω/m @ 20 °C           AC withstand vollage (wire - wire)         2 kV @ 60 s           Electrical pacity line constant (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 biolerance core insulation         65 %nore           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           Taversing 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 Mio. @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity inin. wire         4,8 A           Characteristic impodance         100 Ω ± 15 % @ 100 MHz           Electrical capacity 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) <td>Material inner jacket</td> <td>FRNC</td>	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 wire         Stranded copper wire, bare           Traverising distance (C-frack)         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 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Loop resistance         5000 MD × km           Min. operating temperature (static)         -40 °C           Max. operating temperature (static) </td <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         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           Travel speed (C-track)         5 m @ 25 °C           Travel speed (C-track)         3 Mio. Ø25 °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 pFikm           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Corp resistance         5000 MM × km           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         30 °C           Oper	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)         3,3 m/s @ 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 spacity in constant (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 <td>Amount wires</td> <td>4</td>	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           Traversing distance (C-track)         5 m @ 25 °C           Traver 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 - wire)         2 kV @ 60 s           Electrical apacity line constant (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Loop resistance         50000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Loop resistance         5000 MΩ × km           Min. operating temperature (static)         -40 °C	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           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 % @ 100 MHz           Electrical resistance line constant wire         4,8 A           AC withstand voltage (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           Loop resistance         5000 Mx × km           Min. operating temperature (static)         40 °C           Max. operating temperature min. (dynamic)         70 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         Good, application-related te	Outer diameter tolerance core insulation	±5%
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 (standard) to DIN VDE 0298-4 Current load capacity ini. wire 4,8 A Characteristic impedance 100 C± 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 - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Loop resistance 5000 MΩ × km Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance Elections (Good, application-related testing) Gasoline resistance DIN EN 6001-404 Flame (Good, application-related testing) Gasoline resistance DIN EN 6001-404 Flame (Good, application-related testing) Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 1 til x Outer diameter Bending radius (dynamic) 1 Mio. 25 °C	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           Traver sing 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)         100 Ω± 15 % @ 100 MHz           Electrical resistance line constant wire         4,8 A           Characteristic impedance         100 Ω± 15 % @ 100 MHz           Electrical resistance line constant (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Electrical requency withstand voltage (wire - alaxet)         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 fixed)         80 °C           Max. operating temperature min. (dynamic)         30 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         Good,	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 (static)         -40 °C           Max. operating temperature (ixed)         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 testin	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) 3,3 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 $55 \Omega / \text{km} @ 20 ° \text{C}$ AC withstand voltage (wire - wire) $50000 \text{ pF/km}$ Power frequency withstand voltage (wire - wire) $50000 \text{ pF/km}$ Power frequency withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Electrical resistance $5000 \Omega / \Omega \times \text{km}$ Min. operating temperature (static) $40 ° \text{C}$ Max. operating temperature (fixed) $80 ° \text{C}$ Operating temperature (fixed) $80 ° \text{C}$ Operating temperature min. (dynamic) $30 ° \text{C}$ Filame resistance [EC 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) $5 \times \text{C}$ Outer diameter Bending radius (fixed) $1 \times \text{No. of torsion cycles}$ $1 \times \text{Min. 25 °C}$	Diameter of single wires	22 AWG
Traversing distance (C-track) $5 \text{ m} \otimes 25  ^\circ\text{C}$ Travel speed (C-track) $3 \text{ Mio.} \otimes 25  ^\circ\text{C}$ Travel speed (C-track) $3 \text{ Mio.} \otimes 25  ^\circ\text{C}$ Travel speed (C-track) $3 \text{ Mio.} \otimes 25  ^\circ\text{C}$ Nominal voltage AC max. $300 \text{ V}$ Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) $4 \text{ Novel Mode}$ Current load capacity min. wire $4 \text{ Re}$ Characteristic impedance $100 \Omega \pm 15  \% \otimes 100  \text{MHz}$ 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) $50000  \text{pF/km}$ Power frequency withstand voltage (wire - ack of the constant v	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 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 - 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           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 x Outer diameter           No. of tor	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 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 - acceptable of the standard voltage (wire - acceptable of the standard voltage (wire - binacket) 2 kV @ 60 s  Loop resistance 5000 M $\Omega$ x km  Min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature (fixed) 80 °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 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter	Traversing distance (C-track)	5 m @ 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)  2 kV @ 60 s  Electrical capacity line constant (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  EEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical 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 × Outer diameter  Bending radius (dynamic)  12 × Outer diameter  No. of torsion cycles  1 Mio. 25 °C	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 $55  \Omega / \text{km} @ 20  ^{\circ} \text{C}$ 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 - 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) $40  ^{\circ} \text{C}$ Max. operating temperature (fixed) $80  ^{\circ} \text{C}$ Operating temperature min. (dynamic) $70  ^{\circ} \text{C}$ Flame resistance $[\text{EC} 60332-2-2 \mid \text{UL} 1581 \$ 1090 \mid \text{UL} 1581 \$ 1100  \text{FT2}}$ chemical resistance $[\text{Good, application-related testing}]$ Gasoline resistance $[\text{DIN}  \text{EN}  \text{600d, application-related testing}]$ Oil resistance $[\text{DIN}  \text{EN}  \text{600d, application-related testing}]$ Bending radius (fixed) $5 \times \text{Outer diameter}]$ Bending radius (dynamic) $12 \times \text{Outer diameter}]$ No. of torsion cycles $1  \text{Mio} . 25  ^{\circ} \text{C}$	Travel speed (C-track)	3,3 m/s @ 25 °C
Current load capacity min. wire 4,8 A  Characteristic impedance $100 \Omega \pm 15 \% @ 100  \mathrm{MHz}$ Electrical resistance line constant wire $55  \Omega' \mathrm{km} @ 20  ^{\circ} \mathrm{C}$ AC withstand voltage (wire - wire) $2  \mathrm{kV} @ 60  \mathrm{s}$ Electrical capacity line constant (wire - wire) $50000  \mathrm{pF/km}$ Power frequency withstand voltage (wire - alacket) $2  \mathrm{kV} @ 60  \mathrm{s}$ AC withstand voltage (wire - shield) $2  \mathrm{kV} @ 60  \mathrm{s}$ AC withstand voltage (wire - shield) $2  \mathrm{kV} @ 60  \mathrm{s}$ Loop resistance $5000  \mathrm{M}\Omega \times \mathrm{km}$ Min. operating temperature (static) $40  ^{\circ} \mathrm{C}$ Max. operating temperature (fixed) $80  ^{\circ} \mathrm{C}$ Operating temperature min. (dynamic) $-30  ^{\circ} \mathrm{C}$ Operating temperature max. (dynamic) $70  ^{\circ} \mathrm{C}$ Flame resistance $1  \mathrm{EC}  60332  2 \cdot 2     \mathrm{UL}  1581  \S  1090     \mathrm{UL}  1581  \S  1100  \mathrm{FT2}$ chemical resistance $6  \mathrm{Good}$ , application-related testing  Gasoline resistance $6  \mathrm{Good}$ , application-related testing  Oil resistance $6  \mathrm{DIN}  \mathrm{EN}  60811  -404     \mathrm{Good}$ , application-related testing  Bending radius (fixed) $5  \times  \mathrm{Cuter}  \mathrm{diameter}$ Bending radius (dynamic) $12  \times  \mathrm{Cuter}  \mathrm{diameter}$ Bending radius (dynamic) $12  \times  \mathrm{Cuter}  \mathrm{diameter}$	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 $1  \text{EC}  60332 \cdot 2 \cdot 2 \cdot 2  \text{lUL}  1581  \S  1090  \text{lUL}  1581  \S  1100  \text{FT2}$ chemical resistance $3  \text{Good}$ , application-related testing}  Gasoline resistance $3  \text{DIN}  \text{EN}  60811 \cdot 404  \text{l}  \text{Good}$ , application-related testing}  Oil resistance $3  \text{DIN}  \text{EN}  60811 \cdot 404  \text{l}  \text{Good}$ , application-related testing}  Bending radius (fixed) $3  \times \text{C}  \text{Outer diameter}$ Bending radius (dynamic) $12  \times \text{Outer diameter}$ Bending radius (dynamic) $12  \times \text{Outer diameter}$	Current load capacity (standard)	to DIN VDE 0298-4
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 - 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 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 × 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)  AC withstand voltage (wire - shield) $2 \text{ kV} \otimes 60 \text{ s}$ 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 $1\text{EC} 60332 - 2 - 2 \mid \text{UL} 1581 \S 1090 \mid \text{UL} 1581 \S 1100 \text{ FT2}}$ chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  DIN EN $60811 - 404 \mid \text{Good}$ , application-related testing  Bending radius (fixed) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$ No. of torsion cycles $1 \text{ Mio. } 25 ^{\circ}\text{C}$	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 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  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) 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 × Outer diameter  Bending radius (dynamic) 12 × 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  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	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  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	
Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 1 Mio. 25 °C	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 1 Mio. 25 °C	Bending radius (dynamic)	
· · · · · · · · · · · · · · · · · · ·		1 Mio. 25 °C
		± 180 °/m