

RJ45 male 0° / RJ45 male 0° shielded

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 12.5m

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

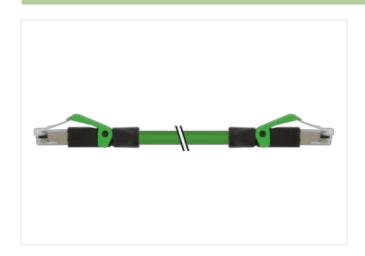
Further cable lengths on request.

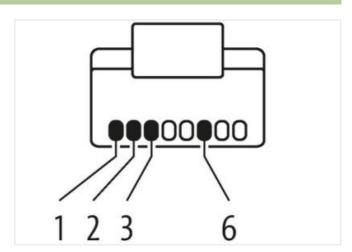
Plastic housings with good resistance against chemicals and oils.

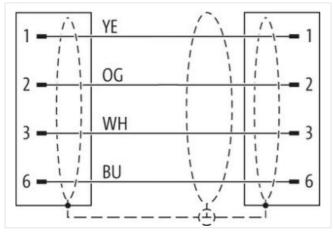
The resistance to aggressive media should be individually tested for your application. Further details on request.

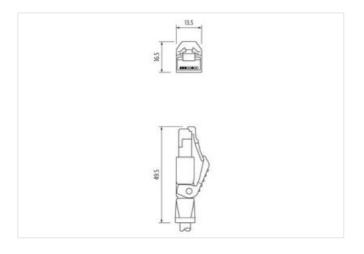
Link to Product

Illustration









Product may differ from Image















Cable length

12,5 m

Side 1

Mounting method

inserted



stay connected

Family construction form	RJ45
No. of poles	4
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444210
GTIN	4048879540278
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fun	
·	
duplex	Full duplex
Diagnostics	
Status indication LED	no
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP20
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
	without
Mechanical data Material data	
Material housing	PUR
Locking material	PA
Mechanical data Mounting data	
Looking techniques	Snap-in connector
Environmental characteristics Climatic	;
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
•	Directors the connectors by quitable messures from meshanised locals as the the connectors of sales and
Note on strain relief Note on bending radius	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 endangered by excessive bending forces.
Installation Cable	
Installation Cable	
wire arrangement	yellow, blue, orange, white
Cable identification	800
Jacket Color	green
Type of Certificate	cURus

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: 2024-06-26



stay connected

Cable shelding (coverage) 85 %	Amount stranding	1
Cable shelding (coverage) 85 %	Stranding	4 wires around Filler star-shaped twisted
Finity Sea	Cable shielding (type)	copper braid, tinned
Filter yes yes wire arrangement yellow, blue, orange, white Cable weigh 73,7 g/m	Cable shielding (coverage)	85 %
wire arrangement yellow, blue, orange, while Cable weight 73,7 g/m Material jacket PVG Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 85 ± 5 Shore A Freedom from ingredients (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) 1 matur Material wire insulation PE Amount wires 4 Material wire insulation PE Amount wires 4 Manual wire insulation 1,53 mm Outer diameter inderance core insulation 1,53 mm Outer diameter insulation 1,54 mm Outer diameter insulation 1,53 mm Outer diameter insulation 1,54 mm Outer diameter 1,55 mm	Banding	Foil
Cable weigth 73.7 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, CFC-free Outer-diumeter (jacket) 6,6 mm Toflerance outer dameter (sheat) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Annount wires 4 Outer diameter insulation ± 5 % Outer diameter or tolerance core insulation ± 5 % Outer diameter or tolerance core insulation ± 5 % Outer diameter or tolerance core insulation ± 5 % Under diameter or tolerance core insulation ± 5 % Normal visition ± 5 % Shore D Diameter of single wires ± 2 % Shore D Controit or diameter insulation ± 2 % Normal visition of single wires Conductor or disassection (wire) ± 2 AWG Material conductor wire \$ translet description of single wires ± 2 AWG Material conductor wire \$ translet description of single wires ± 0 mm Normal vires of single wires	Filler	yes
Material Jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedon from Ingredients (jacket) 6.6 mm Tolerance outer diameter (jacket) 5.6 mm Tolerance outer diameter (jacket) 7.5 % Material Inje Jacket FRINC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter tolerance core insulation 1,53 mm Outer diameter tolerance core insulation 5.5 ± 5 Shore D Ingredient freeness wire insulation 5.5 ± 5 Shore D Ingredient freeness wire insulation 16ad-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor crosssection (wire) 30 V Current load capacity (standard) 10 DIN VDE 0298 4 Current load capacity (standard) 10 DIN VDE 0298 4 Current load capacity (intensee 10 OL 2 15 % @ 1 MHz Electrical resistance line constant wire 55 O/km @ 20 °C AG withstand voltage (wire - shield) 2 kV @ 60 s	wire arrangement	yellow, blue, orange, white
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, CFC-free Outer-diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (mer jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter tolerance core insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 25 ± 5 Shore D Ingredient freeness wire insulation 15 ± 7 Shore D Ingredient freeness wire insulation 25 ± 5 Shore D Ingredient freeness wire insulation 25 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 25 WG Conductory	Cable weigth	73,7 g/m
Freedom from ingredients (jacket) lead-free, CFC-free Outer-diameter (jacket) 6,6 mm Tolerance utility 5 % Material inner jacket FRINC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter broterance core insulation 5 % Shore hardness wire insulation 5 5 ± 5 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 50 Ωkm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Electrical resistance line constant (wire - wire) 2 kV @ 60 s	Material jacket	PVC
Outer diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter Insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 1,53 mm Amount strands (wire) 7 Diameter of single wires 22 AWG Confluctor crossection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 10 D x ± 15 % a 1 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 @	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter tolerance core insulation 5 5 % Shore hardness wire insulation 64 % Ingredient freeness wire insulation 8ad-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor or single wires 22 AWG Conductor wire Stranded copper wire, bare Nominal voltage AC max 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical capacity 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 Power frequency withstand voltage (wire - shield) 30 °C <	Freedom from ingredients (jacket)	lead-free, CFC-free
Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter insulation 55 ± 5 Shore D Ingredient freeness wire insulation 165 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor rossesction (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Q ± 15 % @ 1 MHz Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical prespectation (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (max. (dynamic) -10 °C Operating temperature max. (dynamic) <	Outer-diameter (jacket)	6,6 mm
Color (inner jacket) natur Material wire insulation PE Amount wires 4 Cuber diameter insulation 1,53 mm Outer diameter befrance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 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 Conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω±15 %@1 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 Min. operating temperature (static) -30 °C Max. operating temperature mi	Tolerance outer diameter (sheath)	± 5 %
Material wire insulation PE Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voitage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (min. wire 4.8 A Current load voitage (wire - wire) 2 kV @ 60 s Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity in instand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - sheld) 2 kV @ 60 s Min. operating temperature (fixed) 30 °C Max. operating temperature (fixed) 80 °C Operating temperature (mix (dynamic) 70 °C Flame resistance<	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter tolerance core insulation 5 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % @ 1 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 Min. operating temperature (static) 30 °C Max. operating temperature (static) 30 °C Max. operating temperature (static) 30 °C Operating temperature (max. (dynamic) 10 °C	Color (inner jacket)	natur
Outer diameter insulation 1,53 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voitage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 4.8 A Characteristic impedance 100 Ω± 15 % @ 1 MHz Electrical resistance line constant wire 55 Ω/km @ 20 ° ° AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity (ine constant (wire - wire) 2 kV @ 60 s Electrical capacity (ine constant (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 30 ° C Max. operating temperature (static) 30 ° C Max. operating temperature (mire)		
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω± 15 % @ 1 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 Min. operating temperature (static) 30 °C Max. operating temperature (static) 30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance G	Amount wires	4
Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kW @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -30 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance	Outer diameter insulation	1,53 mm
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 1 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 Min. operating temperature (fixed) 2 kV @ 60 °S Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature min. (dynamic) 10 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (dynamic) </td <td>Shore hardness wire insulation</td> <td>55 ± 5 Shore D</td>	Shore hardness wire insulation	55 ± 5 Shore D
Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 1 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 Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω±15 % @ 1 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 - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 10 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distanc	Amount strands (wire)	7
Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % @ 1 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 Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 5 × Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C	Diameter of single wires	22 AWG
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 $\Omega \pm 15$ % @ 1 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 Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing I DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Conductor crosssection (wire)	22 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance $100 \Omega \pm 15 \% 0 1 \text{ MHz}$ 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 pF/km Power frequency withstand voltage (wire - $30 ^{\circ}\text{C}$) $30 ^{\circ}\text{C}$ AC withstand voltage (wire - shield) $2 \text{kV} \otimes 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{kV} \otimes 60 \text{ s}$ Min. operating temperature (static) $30 ^{\circ}\text{C}$ Max. operating temperature (lixed) $30 ^{\circ}\text{C}$ Operating temperature min. (dynamic) $30 ^{\circ}\text{C}$ Flame resistance $30 ^{\circ}\text{C}$ Chemical resistance $30 ^{\circ}\text{C}$ Chemical resistance $30 ^{\circ}\text{C}$ Good, application-related testing $30 ^{\circ}\text{C}$ Oil resistance $30 ^{\circ}\text{C}$ Good, application-related testing $30 ^{\circ}\text{C}$ Bending radius (fixed) $30 ^{\circ}\text{C}$ South diameter $30 ^{\circ}\text{C}$ Bending radius (dynamic) $30 ^{\circ}\text{C}$ Flame resistance $30 ^{\circ}\text{C}$ Good, application-related testing $30 ^{\circ}\text{C}$ Bending radius (fixed) $30 ^{\circ}\text{C}$ Bending radius (fixed) $30 ^{\circ}\text{C}$ Flame resistance $30 ^{\circ}\text{C}$ Flame resistance $30 ^{\circ}\text{C}$ Good, application-related testing $30 ^{\circ}\text{C}$ Differentiation resistance $30 ^{\circ}\text{C}$ Bending radius (fixed) $30 ^{\circ}\text{C}$ Flame resistance $30 ^{\circ}\text{C}$ Bending radius (fixed) $30 ^{\circ}\text{C}$ Flame resistance $30 ^{\circ}\text{C}$	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 4,8 A Characteristic impedance $100 \Omega \pm 15\% @ 1 \text{ MHz}$ 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) $2 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (fixed) $30 ° \text{C}$ Max. operating temperature (fixed) $80 ° \text{C}$ Operating temperature max. (dynamic) $70 ° \text{C}$ Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $15 \times \text{Outer diameter}$ No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) $5 \text{ m} @ 25 ° \text{C}$	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ 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 pF/km Power frequency withstand voltage (wire - iacket) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $-30 ^{\circ} \text{C}$ Max. operating temperature (fixed) $80 ^{\circ} \text{C}$ Operating temperature min. (dynamic) $-10 ^{\circ} \text{C}$ Operating temperature max. (dynamic) $70 ^{\circ} \text{C}$ Flame resistance $9000000000000000000000000000000000000$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 55 \(\textit{ D/km} \end{align*} 20 \cdot \texts{C} \) AC withstand voltage (wire - wire) 2 kV \(\text{ 60 s} \) Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV \(\text{ 60 s} \) AC withstand voltage (wire - shield) 2 kV \(\text{ 60 s} \) Min. operating temperature (static) -30 \cdot \text{ C} Max. operating temperature (fixed) 80 \cdot \text{ C} Operating temperature min. (dynamic) -10 \cdot \text{ C} Operating temperature max. (dynamic) 70 \cdot \text{ C} Flame resistance UL 1581 \(\frac{1}{3} \) 1090 \(\text{ UL 1581 \(\frac{1}{3} \) 100 \(\text{ FI2 IEC 60332-2-2} \) chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing \(\text{ DIN EN 60811-404} \) Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. \(\text{ 25 \cdot C} \) Traversing distance (C-track) 5 m \(\text{ 25 \cdot C} \)	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 Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Characteristic impedance	100 Ω ± 15 % @ 1 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 Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - shield) AC withstand voltage (shield) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) AC withstand voltage (shield) AC withstand voltag	AC withstand voltage (wire - wire)	2 kV @ 60 s
jacket) AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) AC withstand voltage (mire - shield) 80 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Electrical capacity line constant (wire - wire)	50000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)15 x Outer diameterNo. of bending cycles (C-track)2 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Max. operating temperature (fixed)	80 °C
Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Operating temperature min. (dynamic)	-10 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C	Bending radius (dynamic)	15 x Outer diameter
	No. of bending cycles (C-track)	2 Mio. @ 25 °C
Travel speed (C-track) 3,3 m/s @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C
	Travel speed (C-track)	3,3 m/s @ 25 °C