

stay connected

RJ45 male 0° with cable shielded

PUR 1x4xAWG22 shielded rd UL/CSA+drag ch. 1.5m

Ethernet CAT5e Male straight RJ45, 4-pole shielded

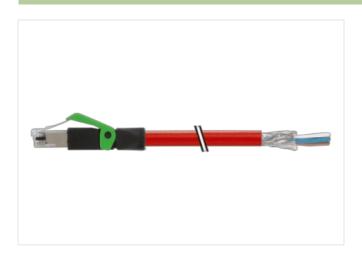
Further cable lengths on request.

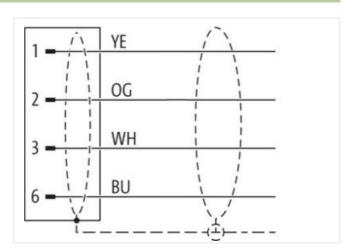
Plastic housings with good resistance against chemicals and oils.

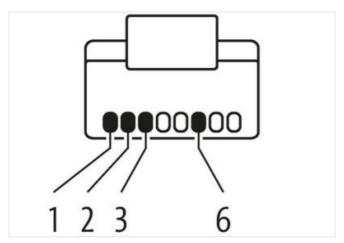
The resistance to aggressive media should be individually tested for your application. Further details on request.

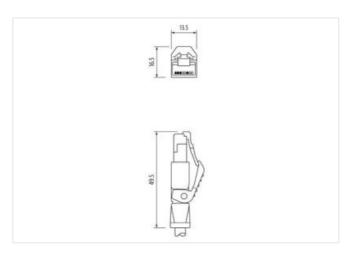
Link to Product

Illustration









Product may differ from Image















Cable length

1,5 m

Side 1



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Family construction form	RJ45
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	4048879406260
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	
	OATE OLGO D (100 000 44004 0000) (FN F0470 4)
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
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)	
Mechanical data	
Contour for corrugated hose	without
	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	
wire arrangement	white, yellow, blue, orange
Cable identification	792
Jacket Color	red
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
	copper braid, tinned
Cable shielding (type)	copper braid, timed

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: 2024-05-20



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Filter	Banding	Fleece, Foil
Cable weight 69.3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from Ingredients (jacket) lead-free, caffarum-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7mm Tolerance outer diameter (sheath) 1,5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 User diameter insulation 1,4 mm Outer diameter insulation 65 Shore D Ingredient resease wire insulation 65 Shore D Ingredient reseases wire insulation 65 Shore D Ingredient reseases wire insulation 7 Parameter of single wires 22 AWG Conductor crossection (wire) 22 AWG Conductor crossection (wire) 22 AWG Conductor diameter (and capacity (standard) 10 DIN VDE 0298-4 Current load capacity (sin, wire) 55 QW @ 05 Current load capacity (sin, wire) 25 QW @ 05 Electrical capacity (sin, wire) 25 QW @ 05 Electrical capaci	Filler	yes
Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) 6,7 mm Outer diameter (jacket) 6,7 mm Tolerance outer diameter (jacket) FRNC Color (mer jacket) natur Material inner jacket) PENC Color (mer jacket) natur Material wire insulation PE Annount wires 4 Outer diameter insulation 55 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 85 Shore D Ingredient freeness wire insulation 18ad Shore Sh	wire arrangement	white, yellow, blue, orange
Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket) natur Material were insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation 5 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 7 Amount strands (wire) 7 Ingredient freeness wire insulation 7 Ingredient freeness wire insulation 7 Ingredient freeness wire insulation 85 Shore D Ingredient freeness wire insulation 7 Ingredient freeness wire insulation 85 Shore D Ingredient freeness wire insulation	Cable weigth	69,3 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer-diameter (jacket) 6,7 mm Toferance outer diameter (heath) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 55 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 22 AWG Conductor of single wires 22 AWG Conductor of single wires 22 AWG Conductor cosssection (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 % 010 MHz Electrical capacity min. wire 500 Mm 20 °C <td>Material jacket</td> <td>PUR</td>	Material jacket	PUR
Outer diameter (jacket) 6,7 mm 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 1,4 mm Outer diameter tolerance core insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298 4 Current load capacity min. wire 4,8 A Characteristic inspectance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2kV @ 60 s Electrical capacity line constant (wire - wire) 2kV @ 60 s Electrical presistance in constant (wire - wire)	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 insulation 1,4 mm Outer diameter tolerance core insulation £5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 62 Shore D Dameter of single wires 22 AWG Conductor crosssection (wire) 7 Diameter of single wires 22 AWG Conductor virei Stranded copper wire, bare Nominal voltage AC max 300 V Current load capacity (standard) to DIN VID 6298-4 Current load capacity (standard) to DIN VID 6298-4 Current load capacity (intendard) 55 ΩRm @ 20 °C AC withstand voltage (wire wire) 25 ΩRm @ 20 °C Electrical capacity line constant (wire - wire) 25 ΩRm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 Mx - km	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket FRNC Color (inner jacket) natur Material wire isulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter proteznace 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 crosssaction (wire) 22 AWG Material conductor wire Stranded copper wire, bare Normal voitage AC max. 300 V Current load capacity (standard) to DIN VDE C2994.4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Q± 15 %@ 100 MHz Electrical resistance line constant wire 55 Qkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical resistance line constant (wire - wire) 2 kV @ 60 s Power trequency withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 MD × km Mn. operating temperature (static) <td< td=""><td>Outer-diameter (jacket)</td><td>6,7 mm</td></td<>	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 folierance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity standard 10 DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Q± 15 % 010 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 Electrical capacity line constant (wire - wire) 2 kV @ 60 s Solation resistance 5000 MΩ x km Min. operating temperature (istatic) 40 °C Max. operating temperature (istatic)	Tolerance outer diameter (sheath)	±5%
Material wire insulation PE Amount wires 4 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 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 Q± 15 % @ 100 MHz Electrical resistance line constant wire 55 Qkm @ 20 °C AC withstand vollage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical resistance line constant (wire - wire) 2 kV @ 60 s Isolation resistance 50000 MM x km Min. operating temperature (static) 40 °C Max. operating temperature (incet) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1,4 mm Ober diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (inv. 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 Solodion resistance 5000 MC × km Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C <t< td=""><td>Color (inner jacket)</td><td>natur</td></t<>	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 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 % @ 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) 5000 m pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 MΩ x km Min. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C Operating temperature max. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 % Shore hardness were insulation 65 Shore D Ingredient freeness were 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 (strandard) 4.8 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire - wire) 25 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Isolation resistance 5000 MΩ × km Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature mix. (dynamic)	Amount wires	4
Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % @ 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 resistance visitand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature max. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance </td <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 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 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 - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 MΩ × km Min. operating temperature (fixed) 80 °C 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	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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity simi. wire 4,8 A Characteristic impedance 100 Ω± 15 % Ø 100 MHz Electrical resistance line constant wire 55 Ω/km Ø 20 °C AC withstand voltage (wire - wire) 2 kV Ø 60 s Electrical capacity line constant (wire wire) 50000 pF/km Power frequency withstand voltage (wire - shield) 2 kV Ø 60 s Solation 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 Filame resistance Good, application-related testing Oli resistance Good, application-related testing Oli resistance DIN EN 60811-404 (Good, application-related testing Bending radius (fixed) 5 × Outer diame	Shore hardness wire insulation	65 Shore D
Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 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 Isolation resistance 5000 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C 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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter Bend	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 % @ 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 - alacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 MΩ x 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 UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Glassiline resistance DIN EN 60811-404 Good, application-related testing <	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± ± 5 % @ 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 Isolation resistance 5000 MΩ × km Min. operating temperature (fixed) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical 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	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 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 Isolation resistance 5000 MΩ × km Min. operating temperature (fixed) 80 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical 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 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) 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 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 Isolation 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 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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Min. Traver sing distance (C-track) 5 m @ 25 °C Traver singed (C-track) 3 m % 25 °C	Material conductor wire	Stranded copper wire, bare
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) 50000pF/km Power frequency withstand voltage (wire - shield) $2 \text{kV} @ 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{kV} @ 60 \text{s}$ Isolation 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 $9000 \text{m} \text{c} \text{m} \text{c} \text{m} \text{c} $	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} @ 20 ^{\circ} \text{C}$ AC withstand voltage (wire - wire) $2 \text{kV} @ 60 \text{s}$ Electrical capacity line constant (wire - wire) 50000pF/km Power frequency withstand voltage (wire - gacket) $2 \text{kV} @ 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{kV} @ 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{kV} @ 60 \text{s}$ Isolation 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 $0 \text{UL} 1581 \S 1090 \text{UL} 1581 \S 1100 \text{FT2} \text{IEC} 60332 \cdot 2 \cdot 2 \text{c}$ chemical resistance 0Good , application-related testing 0Good , applicati	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 Isolation 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 UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 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 bending cycles (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1	Current load capacity min. wire	4,8 A
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 - jacket) $2 \text{ kV} \otimes 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \otimes 60 \text{ s}$ Isolation resistance $5000 \text{ M}\Omega \times \text{km}$ 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 $000000000000000000000000000000000000$	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 Isolation 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 UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Isolation 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 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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	AC withstand voltage (wire - wire)	2 kV @ 60 s
jacket)2 kV $@$ 60 sAC withstand voltage (wire - shield)2 kV $@$ 60 sIsolation resistance5000 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °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 resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)12 x Outer diameterNo. of bending cycles (C-track)3 Mio.Traversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio.	Electrical capacity line constant (wire - wire)	50000 pF/km
Isolation resistance $5000 M\Omega \times km$ Min. operating temperature (static) $-40 ^{\circ}C$ Max. operating temperature (fixed) $80 ^{\circ}C$ Operating temperature min. (dynamic) $-30 ^{\circ}C$ Operating temperature max. (dynamic) $70 ^{\circ}C$ Flame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed) $5 \times Outer$ diameterBending radius (dynamic) $12 \times Outer$ diameterNo. of bending cycles (C-track) $3 Mio$.Traversing distance (C-track) $5 m \otimes 25 ^{\circ}C$ Travel speed (C-track) $3,3 m/s \otimes 25 ^{\circ}C$ No. of torsion cycles $1 Mio$.		2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) 80 °C 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 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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	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 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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Isolation resistance	5000 MΩ × km
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 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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Min. operating temperature (static)	-40 °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 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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Max. operating temperature (fixed)	80 °C
Flame resistance 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 bending cycles (C-track) Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Bending radius (dynamic)	12 x Outer diameter
Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	No. of bending cycles (C-track)	3 Mio.
No. of torsion cycles 1 Mio.	Traversing distance (C-track)	5 m @ 25 °C
	Travel speed (C-track)	3,3 m/s @ 25 °C
Torsion stress ± 180 °/m	No. of torsion cycles	1 Mio.
	Torsion stress	± 180 °/m