

stay connected

RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 23m

Product fulfills requirements according to UN/ECE R118 **Ethernet CAT5** Male straight - male straight RJ45 - RJ45, 4-pole

shielded

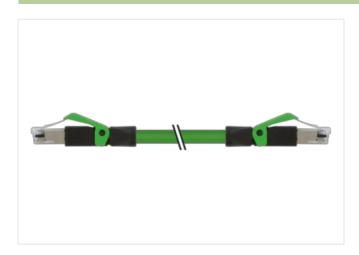
Further cable lengths on request.

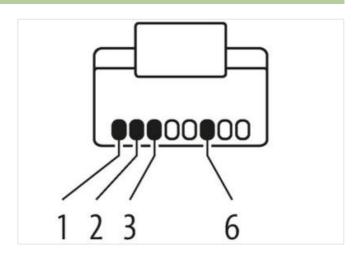
Plastic housings with good resistance against chemicals and oils.

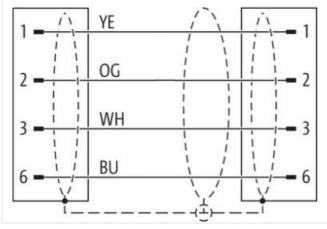
The resistance to aggressive media should be individually tested for your application. Further details on request.

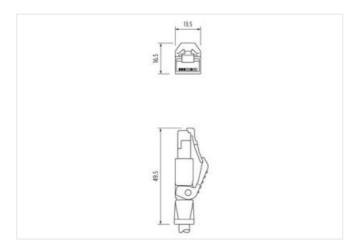
Link to Product

Illustration









Product may differ from Image















Cable length

23 m

Side 1



stay connected

Mounting method	inserted
Family construction form	RJ45
No. of poles	4
Commercial data	
	07004004
ECLASS-6.0	27061801
ECLASS-6.1 ECLASS-7.0	27060307 27060307
ECLASS-7.0	27060307
ECLASS-9.0	27060307
ECLASS-9.0	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444210
GTIN	4048879541800
Packaging unit	1
	•
Electrical data Supply	201/
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 fur	nctionality
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)	
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	
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	796
Jacket Color	green
	-

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: 2024-06-03



Amount wire sinulation 1 Cuter diameter tolerance core insulation 1,4 mm Cuter diameter tolerance core insulation 6,5 mm Cuter diameter tolerance core insulation 1,4 mm Cuter diameter tolerance core insulation 6,5 mm Cuter diameter tolerance core insulation 1,4 mm Cuter diameter tolerance core insulation 6,5 mm Cuter diameter tolerance core insulation 7,5 mm Cuter diameter tolerance core insulation 1,4 mm Cuter diameter tolerance core insulation 6,5 mm Cuter diameter tolerance core insulation 1,4 mm Cuter diameter tolerance core insulation 6,5 mm Cuter diameter tolerance core insulation 1,4 mm Cuter diameter tolerance core insulation 6,5 mm Cuter diameter tolerance core insulation 1,4 mm Cuter diameter tolerance core insulation 1,4 mm Cuter diameter tolerance core insulation 1,5 mm Cuter	Type of Certificate	cURus
Cable shielding (type) copper braid, timed Cable shielding (coverage) 85 % Bandring Fleece, Foll Filler yes wire arrangement white, yellow, blue, orange Cable weight 68,3 g/m Material jucket PUR Shore hardness jacket 88 Shore A Freedom from impedients (jacket) 68 Shore A Freedom from impedients (jacket) 6,7 mm Tolarance outdor diameter (jacket) 6,7 mm Tolarance outdor diameter (jacket) 7,5 % Material inner jacket FRNC Gold (inner jacket) 7,4 mm Tolarance outdor diameter (jacket) 7,4 mm Material wire insulation PE Amount wires 4 Outer diameter tolerance core insulation 1,4 mm Outer diameter tolerance core insulation 5,5 Shore D Ingredient freeness wire insulation 5,5 Shore D Ingredient freeness wire insulation 1,4 mm Outer diameter tolerance core insulation 1,4 mm Outer diameter freeness wire insulation 1,4 mm	Amount stranding	1
Gable shielding (coverage) 85 % Banding Fisece, Foil Filler yes wire arrangement white, yellow, blue, orange Gable weight 95.3 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PR Freedom from ingredients (jacket) lead free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket) nature Material wire insulation PE Amount writes 4 Coller (inner jacket) nature Amount writes 4 Outer diameter (freedom free insulation pe E Amount writes 4 Amount strands (wire) 7 Diameter of langle wires 1 single wires 2 2 AWG Material conductor wire Material conductor wire Stranded copper wire, bare Nominal vollage AG max. 300 V Current load capacity (min. wire - wire) 100 × 15 % (min. peach) For peace peac	Stranding	4 wires around Core filler twisted
Filer yes	Cable shielding (type)	copper braid, tinned
Filter yes wire arrangement white, yellow, blue, orange wire arrangement white, yellow, blue, orange Salary Sala	Cable shielding (coverage)	85 %
wire arrangement white, yellow, blue, orange Cable weight 99,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredient (jacket) 6,7 mm Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) 1.5 % Material inner jacket FRNC Color (Inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter blerance core insulation 5 Shore D Shore hardness wire insulation 65 Shore D Ingredient freeness wire in	Banding	Fleece, Foil
Gable weigth 69.3 g/m Material jacket PUR Shore hardness gaket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.7 mm Clorence outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation FE Amount wires 4 Amount wires 4 Amount stream of liver ance once insulation 1.4 mm Outer diameter blevance core insulation 65 Shore D Ingradient freeness wire insulation 65 Shore D Ingradient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Jameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded opper wire, bare Norment load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (wire wire) 20 DIN VDE 0288-4	Filler	yes
Material jacket PUR	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 FRINC Color (Inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter size insulation 5 Shore D Ingredient freeness wire insulation 1,4 mm Outer diameter size insulation 1,5 % Shore size insulation	Cable weigth	69,3 g/m
Freedom from ingredients (jacket) Outer-diameter (jacket) Actional diameter (jacket) Actional diameter (jacket) Material inner jacket FRNC Color (inner jacket) Material inner jacket FRNC Color (inner jacket) Amount wires 4 Outer diameter insulation Actional diameter of single wires Actional diameter of single wires Actional diameter insulation Acti	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 loterance core insulation ± 5 % Shore hardness wire insulation ± 5 % Shore bardness wire insulation lead free, CPC-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 vollage AC max. 300 V Current load capacity (standard) to DIN VDE 0299.4 Current load capacity (standard) to DIN VDE 0299.4 Current load capacity (in-wire) 2.8 N Characteristic impedance 100 Q± 15 % @ 100 MHz Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity lime constant (wire - wire) 5000 M 2 · km Power frequency withstand voltage (wire - shield) <	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath)	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 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (min. wire 4,8 A Characteristic impedance 100 Ω± 15 %@ 100 MHz Electrical resistance line constant wire 55 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical apacity ine constant (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance <t< td=""><td>Outer-diameter (jacket)</td><td>6,7 mm</td></t<>	Outer-diameter (jacket)	6,7 mm
Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient Treeness wire insulation lead-free, CFC-tree, halogen-tree Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor or sessection (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 Ωkm @ 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 50000 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature (fixed)	Tolerance outer diameter (sheath)	± 5 %
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 lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter 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 (standard) to DIN VDE 0298-4 Current load capacity (simedance 100 ½ ± 15 % @ 100 MHz Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 MC × km	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 66 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 81 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 % 0 100 MHz Electrical resistance line constant wire 55 0/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity internative (wire - wire) 2 kV @ 60 s Electrical capacity withstand voltage (wire - sine) 2 kV @ 60 s Electrical capacity internative (wire - wire) 2 kV @ 60 s Electrical capacity internative (wire - wire) 2 kV @ 60 s Electrical capacity internative (wire - wire) 2 kV @ 60 s Electrical capacity internative (wire - wire) 3 kV @ 60 s Electrical capacity internative (wire - wire) 4 kV @ 60 s Electrical capacity internative (wire - wire) 50000 MC × km Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance EG 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing Din EN 60811-404 Good, application-related testing Din EN 60811-404 Good, application-related testing Ending radius (fixed) 5 × Outer diameter Ending radius (dynamic) 12 × Outer diameter Ending radius (dynamic) 12 × Outer diameter Ending radius (dynamic) 15	Color (inner jacket)	natur
Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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 55 Ω/km @ 20 °C AC withstand voltage (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 (static) 5000 Application-related testing Oil 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 Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor 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 capacity 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 (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-r	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) 50000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 MM x km Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. 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 Good, app	Outer diameter insulation	1,4 mm
Ingredient freeness wire insulation 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) Current load capacity (standard) Current load capacity min. wire 4,8 A Current load capacity min. wire Flectrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 MΩ × km Min. operating temperature (static) AD °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 x Mag 2 ku G 3 Min. operating deminical (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 x Mundameter	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 Mominal 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 - jacker) 2 kV @ 60 s Isolation 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) 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)	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) 70 W @ 60 s Electrical resistance wire - shield) 2 kV @ 60 s Stolkm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Stolkm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Stolkm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Stolkm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Stolkm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Stolkm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Stolkm @ 20 °C 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Filame resistance Electrical capacity in experimental experi	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 - 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 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 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed)	Amount strands (wire)	7
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) -30 °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 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed)	Diameter of single wires	22 AWG
Nominal voltage AC max. Gurrent load capacity (standard) to DIN VDE 0298-4 Gurrent load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire AC withstand voltage (wire - wire) Electrical capacity line constant (wire wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 2 kV @ 60 s Electrical resistance 5 5000 pF/km Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) 2 kV @ 60 s South MΩ × km Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 12 x Outer diameter Bending radius (dynamic) 70 °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 $100 \Omega \pm 15 \% 0 100 \text{MHz}$ 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) 50000pF/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 $5000 \text{Mz} \times \text{km}$ 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 $[\text{EC} 60332 \cdot 2 \cdot 2] \text{UL} 1581 \S 1090] \text{UL} 1581 \S 1100 \text{FT2}$ chemical resistance $[\text{Good, application-related testing}]$ Gasoline resistance $[\text{DIN EN} 6081 \cdot 400] \text{CO} \text{CO} $	Material conductor wire	Stranded copper wire, bare
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) $50000 \mathrm{pF} / \mathrm{km}$ Power frequency withstand voltage (wire - $2 \mathrm{kV} @ 60 \mathrm{s}$ AC withstand voltage (wire - shield) $2 \mathrm{kV} @ 60 \mathrm{s}$ Isolation 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 $6000 \mathrm{gaplication-related}$ testing Gasoline resistance $0000 \mathrm{gaplication-related}$ testing Gasoline resistance $0000 \mathrm{gaplication-related}$ testing Oil resistance $0000 \mathrm{gaplication-related}$ testing Bending radius (fixed) $0000 \mathrm{gaplication-related}$ testing Bending radius (dynamic) $0000 \mathrm{gaplication-related}$ testing No. of bending cycles (C-track) $0000 \mathrm{gaplication}$ $0000 \mathrm{gaplication-related}$ testing Traversing distance (C-track) $0000 \mathrm{gaplication}$ $0000 \mathrm{gaplication-related}$	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} @ 20 ° \text{C}$ 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) $2 \text{ kV} @ 60 \text{ s}$ Isolation resistance $5000 \text{ M}\Omega \times \text{km}$ Min. operating temperature (static) $-40 ° \text{C}$ Max. operating temperature (fixed) $80 ° \text{C}$ Operating temperature min. (dynamic) $-30 ° \text{C}$ Operating temperature max. (dynamic) $70 ° \text{C}$ Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$ No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) $5 \text{ m} @ 25 ° \text{C}$ Total consta	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 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 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 Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Current load capacity min. wire	4,8 A
AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Fower frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) Electrical capacity line constant (wire - wire) Fower frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) Electrical capacity line constant (wire - wire) Electrical capacity line constant (wire wire) Electrical capacity line constant (wire) Electrical capacity line constant	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 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 No. of bending cycles (C-track) 3 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 - 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 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 bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	AC withstand voltage (wire - wire)	2 kV @ 60 s
jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sIsolation 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 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) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$ No. of bending cycles (C-track) $3 \text{Mio.} \otimes 25 ^{\circ}\text{C}$ Traversing distance (C-track) $5 \text{m} \otimes 25 ^{\circ}\text{C}$	Electrical capacity line constant (wire - wire)	50000 pF/km
Isolation 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 bending cycles (C-track)3 Mio. @ 25 °CTraversing distance (C-track)5 m @ 25 °C		2 kV @ 60 s
Isolation 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 bending cycles (C-track)3 Mio. @ 25 °CTraversing distance (C-track)5 m @ 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 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C		
Operating temperature min. (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 bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 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 bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Max. operating temperature (fixed)	80 °C
Operating temperature max. (dynamic) 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 bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C		-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. @ 25 °C Traversing distance (C-track) 5 m @ 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 bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 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 bending cycles (C-track) 3 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) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 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)	12 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C		
No. of torsion cycles 1 Mio. 25 °C		
Torsion stress ± 180 °/m	Torsion stress	± 180 °/m