

RJ45 Push Pull male 0° with cable AIDA

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 2m

Product fulfills requirements according to UN/ECE R118

Male straight

RJ45PP, 4-pole

shielded

Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector

Further cable lengths on request.

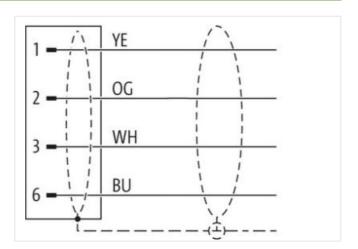
Plastic housings with good resistance against chemicals and oils.

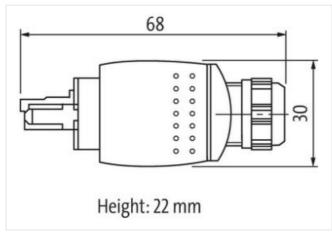
The resistance to aggressive media should be individually tested for your application. Further details on request.

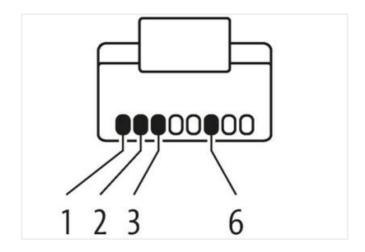
Link to Product

Illustration









Product may differ from Image











Cable length

2 m

Side 1



stay connected

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	4048879486118
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fund	ctionality
duplex	Full duplex
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Locking material	Zinc die-casting
Mechanical data Mounting data	
Looking techniques	Push Pull
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
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
- Comming	. mos a surial coro mor america

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: 2024-05-19



stay connected

Cable shelding (coverage) 85 % Banding Flaeco, Foll Filter yes wire arrangement white, yellow, blue, orange Cable weight 69,3 g/m Material jackel PUR Shore hardness jacket PUR Shore hardness jacket 85 Shore A Tolerance outer diameter (sacket) 6,7 mm Tolerance outer diameter (sacket) 6,7 mm Material wire insulation 7 FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 9 FRNC Outer diameter insulation 9 FRNC Outer diameter insulation 9 FRNC Color (inner jacket) 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 164 Shore Partness wire insulation 165 Shore D Ingredient freeness wire 165 Shore D Ingredient freen	Cable shielding (type)	copper braid, tinned
Filter	Cable shielding (coverage)	85 %
wire arrangement white, yellow, blue, orange Cable weight 69.3 g/m Material jocket PUR 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 (shealth) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter size wire insulation 65 Shore D Shore hardness wire insulation 65 Shore D Amount strands (wire) 7 Diameter of single wires 22 AWG Gonductor crossesswich in wire 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity situ min. wire 4.8 A Current load capacity min. wire 4.8 Pa Characteristic impedance 100 Ω±15 % 0 100 MHz <td>Banding</td> <td>Fleece, Foil</td>	Banding	Fleece, Foil
Cable weight 69.3 g/m Material jacket PUR 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 tolerance core insulation 65 Shore D Ingredient freeness wire insulation 66 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (wire wire) 2 kW @ 60 s Electrical resistance line constant wire 5 Ωkm @ 20 °C	Filler	yes
Material jacket PUR 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 iner; jacket FRNC Color (inner jacket) natur Material were insulation PE Amount wires 4 Outer diameter loslarance core insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation ± 5 % Shore bardness wire insulation ± 5 % Ingredient freeness wire insulation ± 5 % Shore bardness wire insulation ± 5 % Conductor crossection (wire) ± 2 k WG Ontil mete	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 FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation 65 Shore D Ingredient freeness wire insulation 66 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 X AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VPE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance in (speak) (wire - wire) 55 Ω/km @ 20 °C AC withstand voltage (wire - shie	Cable weigth	69,3 g/m
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 FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter lostrance core 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 min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % Q 100 MHz Electrical resistance line constant (wire - wire) 25 Ωkm Q 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Isolation re	Material jacket	PUR
Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket) FRNC Color (finner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 6,5 hror D Outer diameter insulation 6,5 hror D Ingredient freeness wire insulation 66,5 hror 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 resistance loonstant (wire - wire) 2 kV @ 60 s	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 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 (wire wire) 4,8 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire 50 Akm @ 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 </td <td>Freedom from ingredients (jacket)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	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 ± 5 % Shore hardness wire 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 C988-4 Current load capacity (standard) to DIN VDE C988-4 Current load capacity (standard) to DIN VDE C988-4 Current load capacity (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 line constant (wire - wire) 2 kV @ 60 s Electrical capacity (ine constant (wire - wire) 2 kV @ 60 s Solation resistance <	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 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 orsssection (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 YDE 0298-4 Current load capacity (standard) to DIN YDE 0298-4 Current load capacity (standard) to DIN YDE 0298-4 Current load c	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 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 ine 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 Row instand voltage (wire - sired) 2 kV @ 60 s Isolation resistance 5000 MΩ × km Min. operating temperature (static) 40 °C Max. operating t	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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 £15 % @ 100 MHz Electrical resistance line constant wire 55 £0/km @ 20 °C AC withstand voltage (wire - wire) 2 kW @ 60 s Electrical resistance line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kW @ 60 s Isolation resistance 5000 M\Omega km Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature (mixed) 50 °C Operating temperature (mixed) 70 °C Flame resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter Hin Special Special Cook of application-related testing Bending radius (fixed) 5 x Outer diameter	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 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) 40 °C Max. operating temperature (fixed) 30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing	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 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 line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - slacket) 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 (min. (dynamic) -30 °C Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332-2-2	Amount wires	4
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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) 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 (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance Elec 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gil resistance DIN EN 60811-404 Good, application-related testing Gil resistance DIN EN 60811-404 Good, application-related testing Ending radius (fixed) 5 × Outer diameter	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, baire 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 min. (dynamic) -30 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame 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	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 - 2 kV @ 60 s Isolation resistance 5000 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature (static) -30 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing 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 % @ 100 MHz Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 MΩ x km Min. 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 Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Amount strands (wire)	7
Material conductor wire 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 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) AC operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × 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 - jacket) AC withstand voltage (wire - shield) 2 kV @ 60 s Solution resistance 5000 MΩ × km Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter	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 $55 \Omega \text{/km} 0 20 \text{ °C}$ AC withstand voltage (wire - wire) $2 \text{ kV} 0 60 \text{ s}$ Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) $2 \text{ kV} 0 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} 0 60 \text{ s}$ Electrical 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 $1 \text{ EC} 60332-2-2 \text{ lUL} 1581 \S 1090 \text{ lUL} 1581 \S 1100 \text{ FT2}}$ chemical resistance $6000 \text{ application-related testing}$ Gasoline resistance $1 \text{ DIN EN } 60811-404 \text{ l} \text{ Good, application-related testing}$ Oil resistance $1 \text{ DIN EN } 60811-404 \text{ l} \text{ Good, application-related testing}$ Bending radius (fixed) $5 \times 0 \text{ Uter diameter}$	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 4.8 A Characteristic impedance $100 \Omega \pm 15 \% \oplus 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} \oplus 20 \text{ °C}$ AC withstand voltage (wire - wire) $2 \text{ kV} \oplus 60 \text{ s}$ Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) $2 \text{ kV} \oplus 60 \text{ s}$ Esolation 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 Coperating temperature max. (dynamic) -30 °C Flame resistance $-3000 \text{ Application-related testing}$ Gasoline resistance $-3000 \text{ Application-related testing}$ Gasoline resistance $-3000 \text{ Application-related testing}$ Bending radius (fixed) $-30 \text{ °C} \times 0 \text{ operating temperature}$ DIN EN 60811-404 Good, application-related testing Bending radius (fixed) $-30 \text{ °C} \times 0 \text{ operating temperature}$	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 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) -70 °C Flame resistance $-1000 \text{ kg} \times 1000 \text{ kg}$ $-1000 k$	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 Bending radius (fixed) 5 x Outer diameter	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 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 Bending radius (fixed) 5 × Outer diameter	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 DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter	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	AC withstand voltage (wire - wire)	2 kV @ 60 s
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	Electrical capacity line constant (wire - wire)	50000 pF/km
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 IEC $60332 \cdot 2 \cdot 2 \mid \text{UL } 1581 \S 1090 \mid \text{UL } 1581 \S 1100 \text{FT2}$ chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN $60811 \cdot 404 \mid \text{Good}$, application-related testing Bending radius (fixed) $5 \times \text{Outer diameter}$		2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	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	Isolation resistance	5000 MΩ × km
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Gaod, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Max. operating temperature (fixed)	80 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	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	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	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	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	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)	12 x Outer diameter
No. of bending cycles (C-track) 3 Mio. @ 25 °C	No. of bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track) 5 m @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track) 3,3 m/s @ 25 °C	Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles 1 Mio. 25 °C	No. of torsion cycles	1 Mio. 25 °C
Torsion stress ± 180 °/m	Torsion stress	± 180 °/m