

RJ45 Push Pull male 0° with cable AIDA

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 14m

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.

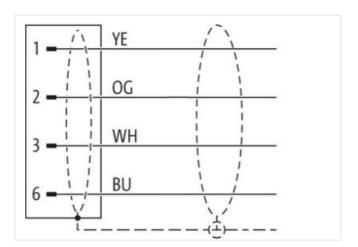
Plastic housings with good resistance against chemicals and oils.

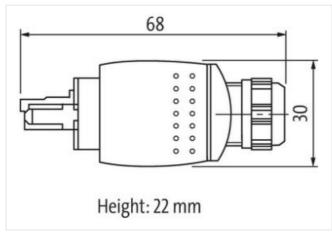
The resistance to aggressive media should be individually tested for your application. Further details on request.

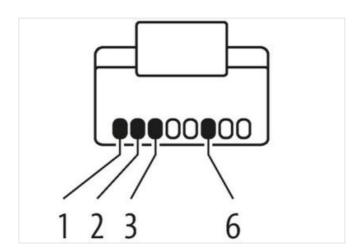
Link to Product

Illustration









Product may differ from Image











Cable length

14 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	EC001855
customs tariff number	85444210
GTIN	4048879774901
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 fun	
•	•
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	
IIIStaliation Cable	
·	white, vellow, blue, orange
wire arrangement Cable identification	white, yellow, blue, orange 796
wire arrangement	796
wire arrangement Cable identification Jacket Color	<u>`</u>
wire arrangement Cable identification Jacket Color Type of Certificate	796 green cURus
wire arrangement Cable identification Jacket Color	796 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: 2024-05-18



Cable seleding (coverage) 85 % Banding Floeto, Foll Filter yes wite arrangement white, yellow, blue, orange Cable weigh 69.3 g/m Material placet PUH Shore hardness jacket 89 5hore A Freedom from ingredients (jacket) 6.7 mm Outer diamoter (acket) 6.7 mm Tolerance outer familiant (jacket) 15 % Material inner jacket FINC Color (inner jacket) natur Material inner jacket 1,4 mm Culter diameter installation 1,4 mm Outer diameter installation 65 Shore D Ingresient freeness wire installation 1,4 mm Ingresient research in (very) 7 Diameter of single wiree 22 AWG Conductor reseasestion (very)	Cable shielding (type)	copper braid, tinned
Filter	Cable shielding (coverage)	85 %
wire arrangement white, yellow, blue, crange Cable weight 65.3 g/m Material jacket PUR Shore hardness jacket 98 Shore A Freedom from ingedents (jacket) 19.4 mm Outer diameter (jacket) 6.7 mm Tolerance outer diameter (jacket) 5.5 mm Material inner jacket) 19.6 mm Material wire insulation PE Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation 5.5 % Shore bardness wire insulation 5.5 % - Ingredient freeness wire insulation 6.5 Shore D Ingredient freeness wire insulation 6.5 Shore D Ingredient freeness wire insulation 2.5 % - Nonotral strands (vier) 7 Diameter of ingles wires 2.2 AWG Material conductor wire Stranded copper wire, bare Material conductor wire Stranded copper wire, bare Nominal voltage AG max 30.0 V Current load capacity strant, wire 4.8 A Current load capacity (standard) 10.0 N VE 298-4	Banding	Fleece, Foil
Cabba weight	Filler	yes
Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) 6.7 mm Tolerance outer diameter (jacket) 6.7 mm Tolerance outer diameter (jacket) natur Material inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation 55 Shore D Shore hardness wire insulation 65 Shore D Amount strand (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor vires seed (wire) 300 V Current load capacity (slandard) 1 DIN VDE 0298-4 Current load capacity (wire. wire) 35 CM with Stand voltage (wire wire) Fleedrical repeatable (wire wire) 55 CMm @ 20 °C AC withstand voltage (wire wire) 55 CMm @ 20 °C AC withstand voltage (wire wire) 2 kV @ 60 s Isolation resistance 550 CMm @ 20 °C Operating temperature (staic) 40 °C Operating temperature (staic) <td>wire arrangement</td> <td>white, yellow, blue, orange</td>	wire arrangement	white, yellow, blue, orange
Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) 6.7 mm Chuter diameter (jacket) 6.7 mm Chuter diameter (jacket) 4.5 % Material inner jacket) 7 mm Material wire insulation FRNC F	Cable weigth	69,3 g/m
Freedom from ingradients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, sillicone-free	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 folerance core insulation 1,4 mm Outer diameter folerance 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 innerplance 100 Ω ± 15 % @ 100 MHz Electrical pesistance line constant wire 55 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical apacity line constant (wire - wire) 2 kV @ 60 s Electrical apacity line constant (wire - wire)<	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket FRINC 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 strank (wire) 7 Diameter of single wires 22 AWG Conductor crossacction (wire) 22 AWG Conductor crossacction (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 2289-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 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 Flacktical capacity line constant (wire - wire) 2 kV @ 60 s Bisolation resistance 50000 MCx km	Outer-diameter (jacket)	6,7 mm
Color (inner jacket) natur Matorial wire insulation PE Amount wires 4 Outer diameter (lolerance core insulation 1,4 mm Outer diameter (lolerance 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 0 ± 15 % 0 100 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 Solodarial withstand voltage (wire - shield) 2 kV @ 60 s Bodarial gemperature (static) 40 °C M	Tolerance outer diameter (sheath)	±5%
Material wire insulation PE	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 (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 Pi/km Power frequency withstand voltage (wire - sheet) 2 kV ⊕ 60 s Electrical capacity line constant (wire - wire) 2 kV ⊕ 60 s AC withstand voltage (wire - sheet) 2 kV ⊕ 60 s Solotion resistance 5000 MΩ × km <	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 Impredient 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 (win 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 Isolation resistance 5000 MΩ × km Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (wire) 80 °C Operating temperature max. (dynamic) 70 °C </td <td>Material wire insulation</td> <td>PE</td>	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 (vire - wire) 2 kV @ 60 s Electrical capacity with extractive file wire - wire) 2 kV @ 60 s Solation resistance 50000 MΩ x km Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 6032-2-2 UL 1581 § 1990 UL 1581 § 1100 FT2 Chemical resistance	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 capacity withstand voltage (wire - sheld) 2 kV @ 60 s Isolation resistance 5000 MΩ × km Min. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C Characteristance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Inhance resistance Good, application-related testing Gasoline 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 (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 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 (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 5x Quere diameter Bending radius (fixed) 5x Quere diameter Bending radius (fixed) 5x Quere diameter Bending radius (dynamic) 12 x Quere diameter Bending radius (dynamic) 5x Quere diameter Bending radius (dynamic) 12 x Quere diameter Bending radius (dynamic) 12 x Quere diameter Bending radius (dynamic) 5x Quere diameter Bending radius (dynamic) 5x Quere diameter Bending radius (dynamic) 12 x Quere diameter Bending radius (dynamic) 5x Quere diameter Bending radius (dynamic) 12 x Quere diameter Bending radius (dynamic) 12 x Quere diameter Bending radius (dynamic) 5x Quere diameter Bending radius (dynamic) 12 x Quere diameter Bending radius (dynamic) 12 x Quere diameter Bending radius (dynamic) 13x Quere diameter Bending radius (dynamic) 14x Quere diameter Bending radius (dynamic) 15x Quere diameter Bending radius (fixed) 5x Quere diameter Bending radius (fixed) 5x Quere diameter Bend	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 (standard) 100 Ω± 15 % @ 100 MHz Electrical resistance line constant wire 4,8 A Characteristic impedance 100 Ω± 15 % @ 100 MHz Electrical resistance line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (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 resistand voltage (wire - shield) 2 kV @ 60 s Isolation resistance 5000 MΩ x km Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Plane resistance [EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical	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 - 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 (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 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 - 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 Gil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	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 \(\Omega \pm 15 \) \(\empty 0 \) 100 MHz Electrical resistance line constant wire 55 \(\Omega \text{ mod } \Omega \text{ 0} \) 0 \(\Omega \pm 15 \) \(\empty 0 \) 0 \(\Omega \text{ 15 \kinch } \\ \Omega \text{ 100 MHz} \) Electrical capacity line constant wire 55 \(\Omega \text{ mod } \Omega \text{ 0} \) 0 \(\Omega \pm 15 \text{ mod } \Omega \text{ 0} \) 0 \(\Omega \pm 15 \text{ mod } \Omega \text{ 0} \) 0 \(\Omega \pm 15 \text{ mod } \Omega \text{ 0} \) 0 \(\Omega \text{ Now } \Omega \text{ 0} \) 0 \(\Omega \text{ Now } \Omega \text{ 0} \) 0 \(\Omega \text{ Now } \Omega \text{ 0} \) 0 \(\Omega \text{ mod } \Omega \text{ 0} \) Fower frequency withstand voltage (wire - wire) 50000 \(\Omega \text{ F/km} \) Fower frequency withstand voltage (wire - shield) 2 kV \(\Omega \text{ 60 s} \) Isolation resistance 5000 \(\Omega \text{ NOW } \text{ mod } \) Min. operating temperature (static) 40 \(\Omega \text{ C} \) Max. operating temperature (fixed) 80 \(\Omega \text{ C} \) Operating temperature min. (dynamic) -30 \(\Omega \text{ C} \) Operating temperature max. (dynamic) 70 \(\Omega \text{ C} \) Flame resistance Elec 60332-2-2 UL 1581 \(\Sigma \) 100 UL 1581 \(\Sigma \) 1100 \(\text{ F1Z} \) Chemical resistance Good, application-related testing Gasoline resistance Din Rh 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 m \(\Omega \text{ 25 \cdot C} \) Traversing distance (C-track) 5 m \(\Omega \text{ 25 \cdot C} \) Traversing distance (C-track) 5 m \(\Omega \text{ 25 \cdot C} \) Traversing distance (C-track) 5 m \(\Omega \text{ 25 \cdot C} \) No. of torsion cycles 1 Mio. 25 \(\Omega \text{ C} \)	Diameter of single wires	22 AWG
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 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 M Ω × 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 Good, application-related testing Gasoline 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 Bending radius (dynamic) 12 × Outer diameter Bending radius (dynamic) 12 × Outer diameter Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3, 3 m/s @ 25 °C Travel speed (C-track) 1 Mio. 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 $\Omega \pm 15\% \otimes 100 \text{MHz}$ Electrical resistance line constant wire 55 Ω /km $\otimes 20\%$ AC withstand voltage (wire - wire) 2 kV $\otimes 60\%$ Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - iacket) 2 kV $\otimes 60\%$ Isolation resistance 5000 $M\Omega \times km$ 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 Good, application-related testing Gasoline 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 Bending radius (dynamic) 12 $\%$ Outer diameter Bending radius (cynamic) 5 $\%$ \otimes Outer diameter Bending radius (cynamic) 5 $\%$ \otimes Outer diameter Traverling distance (C-track) 3 $\%$ $\%$ \otimes 95 $\%$ C Traverling distance (C-track) 5 $\%$ \otimes 25 $\%$ C Traverling distance cycles 1 $\%$ Min. 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 - $2 \text{kV} @ 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{kV} @ 60 \text{s}$ Isolation resistance $5000 \text{MC} \times \text{km}$ 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 $[EC 60332 \cdot 2 \cdot 2 \text{UL} 1581 \S 1090 \text{UL} 1581 \S 1100 \text{FT2}}$ chemical resistance $[Good, application\text{-related testing}]$ Gasoline resistance $[Good, application\text{-related testing}]$ Bending radius (fixed) $5 \times \text{C}$ wuter diameter Bending radius (dynamic) $12 \times \text{C}$ wuter diameter Bending radius (dynamic) $12 \times \text{C}$ wuter diameter Bending radius (dynamic) $12 \times \text{C}$ wuter diameter Traversing distance (C-track) $5 \text{ m} @ 25 ^{\circ} \text{C}$ Traversing distance (C-track) $3.3 \text{m/s} @ 25 ^{\circ} \text{C}$ No. of torsion cycles $1 \text{Mio} \cdot 25 ^{\circ} \text{C}$	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 - 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) $40 ^{\circ} \text{C}$ Max. operating temperature (fixed) $80 ^{\circ} \text{C}$ Operating temperature min. (dynamic) $70 ^{\circ} \text{C}$ Flame resistance $[6000 \text{gas}] \times [1000 \text{lUL}] \times [1581 \text{s}] \times [1000 \text{lUL}] \times [$	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 × Outer diameter Bending radius (dynamic) 12 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traver speed (C-track) 3, 3 m/s @ 25 °C Travel speed (C-track) 3, 3 m/s @ 25 °C Travel speed (C-track) 1 Mio. 25 °C	Current load capacity min. wire	4,8 A
AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s 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 Bending radius (dynamic) 12 × Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (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	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 Bending radius (dynamic) 12 × Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (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	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 Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 25 °C	AC withstand voltage (wire - wire)	2 kV @ 60 s
Jacket	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 $60332 \cdot 2 \cdot 2 \mid \text{UL } 1581 \S 1000 \mid \text{UL } 1581 \S 1100 \text{ FT2}$ 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) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$ No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) $3,3 \text{ m/s @ 25 °C}$ No. of torsion cycles 1 Mio. 25 °C		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 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) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 25 °C	AC withstand voltage (wire - shield)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance 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) 3,3 m/s @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 25 °C	Isolation resistance	5000 MΩ × km
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 No. of torsion cycles 1 Mio. 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 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 Traver sing distance (C-track) 5 m @ 25 °C No. of torsion cycles 1 Mio. 25 °C	Max. operating temperature (fixed)	80 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance 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 Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 25 °C	Operating temperature min. (dynamic)	-30 °C
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) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 25 °C	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 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 Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 25 °C	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 25 °C	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. 25 °C	Bending radius (dynamic)	12 x Outer diameter
Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio. 25 °C	No. of bending cycles (C-track)	3 Mio. @ 25 °C
No. of torsion cycles 1 Mio. 25 °C	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. 25 °C
	Torsion stress	± 180 °/m