

## RJ45 PushPull male 45°/RJ45 PushPull male 45° AIDA

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.3m

Male 45° - Male 45°

Product fulfills requirements according to UN/ECE R118

RJ45 - RJ45

Push Pull

4-pole, shielded

Further cable lengths on request.

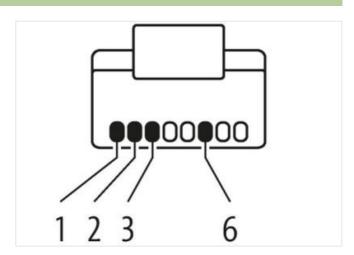
Plastic housings with good resistance against chemicals and oils.

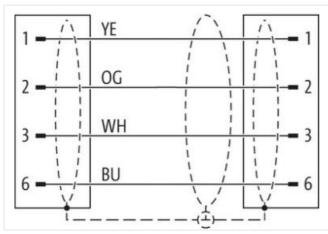
The resistance to aggressive media should be individually tested for your application. Further details on request.

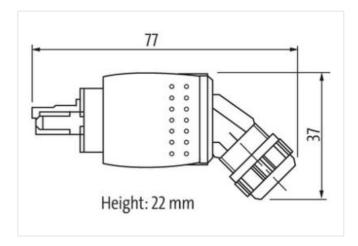
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

0,3 m

Side 1



stay connected

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: Observe the permissible bending radii when laying cables, as the IP protection class can be
: Observe the permissible bending radii when laying cables, as the IP protection class can be ed by excessive bending forces.
: Observe the permissible bending radii when laying cables, as the IP protection class can be ed by excessive bending forces.



## stay connected

Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Banding         Fleece, Foll           Filler         yes           wire arrangement         white, yellow, blus, orange           Cable weight         69.3 g/m           Material jacket         PUR           Shore hardness jacket         88 Shore A           Freedom from ingredients (jacket)         64.7 mm           Outer damenter (jacket)         6,7 mm           Tolerance outer diameter (sheath)         4.5 %           Material inner jacket         FRNC           Color (inner jacket)         natur           Material vive insulation         PE           Anount vivices         4           Outer damenter insulation         1,4 mm           Outer damenter insulation         5.5 %           Shore hardness wire insulation         6.5 Shore D           Ingredient freeness wire insulation         6.5 Shore D           Ingredient freeness wire insulation         5.2 AWG           Conductor consection (vive)         2.2 AWG           Material conductor vivice         8 sand free, FC-Free, halogen-free           Nominal violage AC max.         30.0 V           Current load capacity free vivice <th>Stranding</th> <th>4 wires around Core filler twisted</th>	Stranding	4 wires around Core filler twisted
Cable shelding (coverage)         85 %           Banding         Fiseos Foil           Filter         yes           wire arrangement         while, yellow, bute, orange           Cable weight         89.3 g/m           Material jacket         PUR           Shore hardness jacket         89.5 lore A           Freedom from Impedients (jacket)         19.5 f/m           Outer-diameter (jacket)         6.7 mm           Tolerance outer diameter (sheld)         5.5 %           Material inner jacket         FINC           Colfor (inner jacket)         notur           Material inner jacket         FINC           Colfor (inner jacket)         notur           Material wire insulation         FE           Amount wires         4           Culter diameter (sheld)         5.5 %           Show In Jacket (sheld)         1,4 mm           Outer diameter (sheld)         5.5 %           Show In Jacket (sheld)         1,4 mm           Outer diameter (sheld)         2.5 %           Fine charter (sheld)         2.5 %           Show In Jacket (sheld)         2.5 %           Ingedient fiveness wire insulation         1.5 % more process           Ingedient fiveness wire insulation	<u> </u>	
Place   Fleec   Folt		
Filter yes arrangement white, yellow, blue, orange wire arrangement placeted PUR  Material glacket PUR  Freedom from Ingredients (jacket) lead-free, codmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 6,7 mm  Tolerance outer diameter (sheath) 2 5 %  Material inner jacket FRNC  Color (inner jacket) nature  Amount wires 4 4  Amount wires 4 4  Amount wires 4 4  Amount wires 4 5 %  Shore hardness were insulation 1.4 mm  Outer diameter lostrance core insulation 2 5 %  Shore hardness were insulation 1.5 %  Shore hardness were insulation 1.6 %  Shore hardness were insulation 1.6 %  Shore hardness were insulation 1.6 %  Amount strands (where) 7  Diameter of single wires 22 AWG  Conductor crossacction (wire) 22 AWG  Material conductor wire Shore No. 300 V  Current load capacity (slandard) 1.0 DI N VDE 0288 4  Current load capacity (slandard) 1.0 DI N VDE 0288 4  Current load capacity (slandard) 1.0 DI 1.5 % @ 100 MHz  Electrical resistance line constant wire 55 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1.0 DI 2.1 5 % @ 100 MHz  Electrical resistance line constant wire wire 1.0 DI 2.1 5 % @ 100 MHz  Electrical resistance line constant wire wire 1.0 DI 2.1 5 % @ 100 MHz  Electrical resistance line constant wire wire 1.0 DI 2.1 5 % @ 100 MHz  Electrical resistance line constant wire 5000 MΩ × km  Min. operating temperature (fixed) 2.0 °C  AC withstand voltage (wire - wire) 5000 MΩ × km  Min. operating temperature (fixed) 3.0 °C  Operating temperature min. (dynamic) 70 °C  Filamo resistance 6000 Good, application-related testing 6000 MBz × color diameter 6000 MBz × color diamete		
wire arrangement white, yellow, blue, crange  Gable weight 99.3 gm  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket 88 Shore A  Freedom from langedents (jacket) 1947 (activation of the public of the publ		·
Cable weight         69,3 g/m           Material picket         PUR           Freedom from ingredients [acket]         Bead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Coluse-diameter (acket)         6,7 mm           Tolerance outer drameter (acket)         1,5 %           Material inner jacket         FRNC           Color (inner jacket)         FRNC           Material wire insulation         PE           Amount wires         4           Cuter diameter insulation         1,4 mm           Outer diameter insulation         55 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         18 de-free, CFC-free, halogen-free           Amount strands (virie)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Malerial conductor wire         Stranded copper wire, bare           Malerial conductor wire         Stranded copper wire, bare           Malerial conductor wire         Stranded copper wire, bare           Current load capacity min wire         4,8 A           Current load capacity min wire         4,8 A           Current load capacity min wire         2 KV @ 60 s           E		•
Material Jacket		
Shore hardness jacket         89 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CPC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,7 mm           Tolerance outer diameter (sheath)         1.5 %           Material inner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1.4 mm           Outer diameter tolerance core insulation         5.5 % for D           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         7           Amount strands (wire)         7           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         7           Ingredient freeness wire insulation         7           Under of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         8 Iranded copper wire, bare           Material conductor wire         8 Iranded copper wire, bare           Current load capacity (sin wire wire)         4 8 A           Current load capacity (sin, wire)         50 DM VID C		
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 tolerance core insulation         1,4 mm           Outer diameter tolerance core insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (inin, wire)         4,8 A           Characteristic impedance         100 Ω ± 5 % @ 100 MHz           Electrical resistance line constant wire         4,8 A           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire) <td< td=""><td></td><td></td></td<>		
Tolerance outer diameter (sheath)		
Material inner jacket         FRINC           Color (inner jacket)         natur           Material wire iouslation         PE           Amount wires         4           Outer damenter insulation         £5 %.           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount stands (wire)         7           Diameter of single wires         22 AWG           Conductor crossaction (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 inpediance         100 Ω± 15 %@ 100 MHz           Electrical resistance line constant wire         55 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical propertity in constant (wire - wire)         2 kV @ 60 s           Boolation resistance         5000 MΩ × km           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C		
Color (inner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter losarance core insulation         1.4 mm           Outer diameter tolerance core insulation         2.5 %e           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 - wire)         50000 pFr/km           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Electrical pemperature (static)         40 °C           AC withstand voltage (wire - shield)         2 kV @ 60 s           Isolation resistance         5000 MΩ x km           Min. operating temperature (st		
Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,4 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 EAWG           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 vire         45 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical resistance line constant (wire - wire)         2 kV @ 60 s           Electrical resistance with wire of the properties of the		
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 % Ø 100 MHz           Electrical resistance line constant wire         55 Okm Ø 20 °C           AC withstand voltage (wire - wire)         2 kV Ø 60 s           Electrical capacity line constant (wire - wire)         2 kV Ø 60 s           Electrical capacity withstand voltage (wire - shield)         2 kV Ø 60 s           Electrical resistance         5000 MD × km           Min. operating temperature (static)         -40 °C           Max. operating temperature (min. (dynamic)         -30 °C           Operating temperature max. (dynamic)         -30 °C		
Outer diameter Insulation         1,4 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1 ± 5 %           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 papacity line constant (wire - wire)         2 kV @ 60 s           Isolation resistance         5000 MΩ × km           Min. operating temperature (statc)         2 kV @ 60 s           Isolation resistance         5000 MΩ × km           Min. operating temperature min. (dynamic)         -30 °C           Operating temperature min. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   U. 1581 § 1090   U. 1581 § 1100 FT2		
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 (standard)         to DIN VDE 0298-4           Current load capacity (strandard)         100 Ω ± 15 % @ 100 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Solotion resistance         5000 MΩ x km           Min. operating temperature (state)         2 kV @ 60 s           Isolation resistance         5000 MΩ x km           Min. operating temperature (fixed)         80 °C           Operating temperature (state)		
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           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           Isolation resistance         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 imin. (dynamic)         70 ° C           Operating temper		,
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)         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 resistand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Solation resistance         5000 MΩ × km           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -30 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         Good, application-related testing           Gasoline resistance <td< td=""><td></td><td></td></td<>		
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 - 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)         70 °C           Flame resistance         IEC 60332-2-2 [ UL 1581 § 1990 ] UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         DIN EN 60811-404 [ Good, application-related testing           Oil resistance		
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 D/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Electrical capacity with voltage (wire - shield)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Isolation resistance         5000 MΩ × 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<		
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           AC withstand voltage (wire - shield)         2 kV @ 60 s           Isolation resistance         5000 MM2 × km           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. 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 60911-404   Good, application-related testing     <		
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 $100 \Omega \pm 15 \% @ 100  \text{MHz}$ Electrical resistance ine constant wire $55  \Omega \text{km} @ 20  ^{\circ}\text{C}$ AC withstand voltage (wire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (wire - wire) $50000  \text{pF/km}$ Power frequency withstand voltage (wire - $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (wire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (wire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (wire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (wire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (wire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (wire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (wire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (vire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (vire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (vire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (vire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (vire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (vire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (vire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (vire - wire) $2  \text{kV} @ 60  \text{s}$ Electrical capacity line constant (vire - wire) $2  \text{kV} @ 60  \text{s}$ Coperating temperature (static) $4  \text{kV} @ 60  \text{s}$ Electrical capacity line constant vire line line line line line line line lin		
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)  Power frequency withstand voltage (wire - a size of the si		
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Characteristic impedance 100 $\Omega$ ± 15 % @ 100 MHz  Electrical resistance line constant wire 55 $\Omega$ /km @ 20 °C  AC withstand voltage (wire - wire) 50000 pF/km  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  Electrical capacity line constant (wire - wire) 50000 pF/km  Power frequency withstand voltage (wire - jacket) 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 $M\Omega \times km$ 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 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 Quter diameter  Bending radius (dynamic) 12 x Outer diameter  No. of bending cycles (C-track) 3 Mio. @ 25 °C  Traver sing distance (C-track) 3,3 m's @ 25 °C  Traver sing distance (C-track) 3,3 m's @ 25 °C  Traver sing distance (C-track) 3,3 m's @ 25 °C  No. of torsion cycles 1 Mio. 25 °C		<del>```</del>
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) $50000  \text{pF/km}$ Power frequency withstand voltage (wire - aicket) $2  \text{kV} @ 60  \text{s}$ Esolation 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 $6000  \text{g}$ Good, application-related testing $6000  \text{g}$ Good, application-related testing $6000  \text{g}$ Good, application-related testing $6000  \text{g}$ Bending radius (fixed) $5  \text{x}  \text{Outer diameter}$ Bending radius (dynamic) $12  \text{x}  \text{C}  \text{C}$ Traversing distance (C-track) $5  \text{m}  \text{g}  \text{c}  \text{S}  \text{C}$ Travel speed (C-track) $5  \text{m}  \text{g}  \text{c}  \text{c}  \text{C}$ Travel speed (C-track) $3  \text{m}  \text{s}  \text{g}  \text{c}  \text{c}$ In Min. 25 $^{\circ}  \text{C}$		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) $50000  \text{pF/km}$ Power frequency withstand voltage (wire - jacket) $2  \text{kV} @ 60  \text{s}$ AC withstand voltage (wire - shield) $2  \text{kV} @ 60  \text{s}$ Solation 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 $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $[EC 60332 \cdot 2 \cdot 2 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1000  \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1090 \mid \text{UL}  1581  \S  1000  \text{UL}  1581  \S  1$		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 - lacket) 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 × Outer diameter  No. of bending cycles (C-track) 3 Mio. @ 25 °C  Traversing distance (C-track) 5 m @ 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	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 - iacket) 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 [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  Bending radius (dynamic) 12 × Outer diameter  No. of bending cycles (C-track) 3 Mio. @ 25 °C  Traver 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	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 § 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	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)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sIsolation resistance5000 MΩ × kmMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame 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 °CTravel speed (C-track)3,3 m/s @ 25 °CNo. of torsion cycles1 Mio. 25 °C	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 $60332\text{-}2\text{-}2 \mid \text{UL }1581  \S  1090 \mid \text{UL }1581  \S  1100  \text{FT2}$ chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN $60811\text{-}404 \mid \text{Good}$ , 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) $3  \text{Mio.} \otimes 25  ^{\circ}\text{C}$ Traversing distance (C-track) $5  \text{m} \otimes 25  ^{\circ}\text{C}$ Travel speed (C-track) $3, 3  \text{m/s} \otimes 25  ^{\circ}\text{C}$ No. of torsion cycles $1  \text{Mio.} 25  ^{\circ}\text{C}$		2 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  Operating temperature max. (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)  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 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	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) 3,3 m/s @ 25 °C  No. of torsion cycles 1 Mio. 25 °C	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  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	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 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	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		5 m @ 25 °C
No. of torsion cycles 1 Mio. 25 °C	Travel speed (C-track)	3,3 m/s @ 25 °C
		1 Mio. 25 °C
	Torsion stress	± 180 °/m