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## RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 0.8m

**Ethernet CAT5** Male straight - male straight RJ45 - RJ45, 4-pole shielded

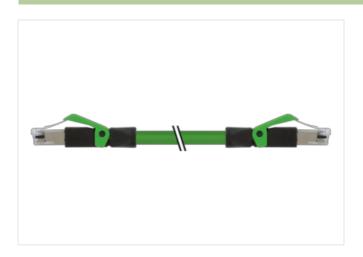
Further cable lengths on request.

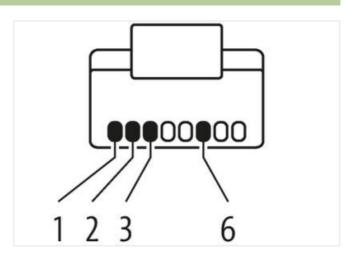
Plastic housings with good resistance against chemicals and oils.

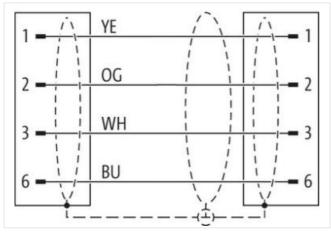
The resistance to aggressive media should be individually tested for your application. Further details on request.

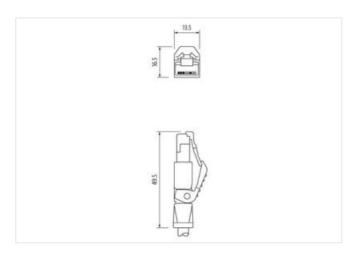
## **Link to Product**

## Illustration









Product may differ from Image















Cable length

0,8 m

Side 1

Mounting method

inserted



RJ45 Family construction form No. of poles 4 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 85444210 customs tariff number GTIN 4048879569675 Packaging unit Electrical data | Supply 60 V Operating voltage DC max. Current operating per contact max. 1,5 A Industrial communication CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1) Transfer parameters Data transmission rate max. 100 MBit/s Industrial communication | Ethernet functionality duplex Full duplex Diagnostics Status indication LED no Device protection | Electrical IP20 Degree of protection (EN IEC 60529) Pollution Degree 3 Rated surge voltage 1 kV Material group (IEC 60664-1) Mechanical data without Contour for corrugated hose Mechanical data | Material data Material housing **PUR** PΑ Locking material Mechanical data | Mounting data Looking techniques Snap-in connector Environmental characteristics | Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Installation | Cable wire arrangement white, yellow, blue, orange Cable identification 793 Jacket Color green Type of Certificate cURus

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



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Cable shielding (type)         copper braid, finned           Cable shielding (coverage)         85 %           Banding         Fleece, Foll           Filler         yes           wire arrangement         while, yellow, blue, orange           Cable weight         63.3 gm           Material jacket         PUR           Shore hardness jacket         90 Shore A           Freedom from ingredients (jacket)         load-tree, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6.8 mm           Toferance under (anameter (sheath)         4.5 %           Material wire insulation         PE           Amount wires         4           Cuter diameter (sheath)         4.5 %           Shore hardness wire insulation         1.5 5mm           Outer diameter (sheath)         4.5 %           Shore hardness wire insulation         6.5 Shore D           Outer diameter (sheath)         2.5 %           Shore hardness wire insulation         6.5 Shore D           Outer diameter (sheath)         2.5 %           Shore hardness wire insulation         1.0 Ex Marchess wire insulation           Outer diameter (sheath)         1.2 W WG           Conductor crossection (wire)         2.2 AWG	Amount stranding	1
Cable shelding (coverage)         85 %           Banding         Fleece, Foil           Filler         yes           wire arrangement         white, yellow, blue, orange           Cable weigh         69,3 g/m           Material jacket         PUR           Shore hardness jacket         90 Shore A           Freedom from ingredients (jacket)         6,6 mm           Tolerance outer diameter (jacket)         6,6 mm           Tolerance outer diameter (sheath)         4,5 %           Material wire insulation         PE           Author of diameter insulation         1,55 mm           Outer diameter insulation         1,55 mm           Outer diameter tolerance wire insulation         65 Shore D           Ingredient freeness wire	Stranding	4 wires around Filler twisted
Fleece	Cable shielding (type)	copper braid, tinned
Filler yes white, yellow, blue, orange white, yellow, blue, yellow, yel	Cable shielding (coverage)	85 %
wite arrangement white, yellow, blue, orange 63.3 g/m 69.3 g/m 69.	Banding	Fleece, Foil
Cable weigth         69,3 g/m           Material jacket         PUR           Amerial jacket         90 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,6 mm           Toflerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         4           Outer diameter tolerance core insulation         1,55 mm           Outer diameter tolerance core insulation         5 5 ms           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         19           Diameter of single wires         22 AWG           Conductor cressesserie in wire         22 AWG           Conductor cressesserie in wire         22 WG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max         300 V           Current load capacity (standard)         to DIN VIE C299-4           Current load capacity (standard)         to DIN VIE C299-4	Filler	yes
Material jacket         PUR           Shore hardness jacket         90 Shore A           Freedon from ingredients (jacket)         6,6 mm           Tolerance outer diameter (jacket)         5,6 mm           Tolerance outer diameter (sheath)         1,5 %           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,55 mm           Outer diameter insulation         5 % Shore burdenses wire insulation           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         64 Shore D           Ingredient freeness wire insulation         64 Shore D           Ingredient freeness wire insulation         64 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation </td <td>wire arrangement</td> <td>white, yellow, blue, orange</td>	wire arrangement	white, yellow, blue, orange
Shore hardness jacket   90 Shore A	Cable weigth	69,3 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PE  Amount wires 4  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) 19  Diameter of single wires 22 AWG  Conductor crosssection (wire) 22 AWG  Conductor crosssection (wire) 22 AWG  Material conductor wire copper stranded wire, tinned  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity ini. wire 4,8 A  Current load capacity ini. wire 59,4 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 5000 pF/km  Power frequency withstand voltage (wire - wire) 5000 pF/km  Power frequency withstand voltage (wire - wire) 5000 pF/km  Power frequency withstand voltage (wire - shield) 2 kV @ 60 s  Electrical capacity ine constant (wire - wire) 5000 pF/km  Power frequency withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) 40 °C  Operating temperature (static) 40 °C  Operating temperature min. (dynamic) 40 °C  Operating temperature min. (dynamic) 40 °C  Operating temperature min. (dynamic) 40 °C  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 × Cuter diameter  Bending radius (fixed) 12 × Cuter diameter  Bending radius (fixed) 4 Min.	Material jacket	PUR
Outer-diameter (jacket)         6.6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         4           Outer diameter Insulation         1,55 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)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           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 % MHz           Ellectrical resistance line constant wire         59.4 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Ellectrical resistance line constant (wire - wire)         2 kV @ 60 s           Ellectrical resistance virile constant (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating	Shore hardness jacket	90 Shore A
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,55 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)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           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 % MHz           Electrical capacity line constant wire         59.4 C/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         52000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Operating temp	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,55 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)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           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 % MHz           Electrical resistance line constant vire         59,4 Ω/km @ 20 °C           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           Min. operating temperature (static)         40 °C           Operating temperature min. (dynamic)         20 °C           Operating temperature min.	Outer-diameter (jacket)	6,6 mm
Amount wires         4           Outer diameter insulation         1,55 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)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity inin. wire         4,8 A           Claracteristic impedance         100 Ω ± 15 % MHz           Electrical resistance line constant wire         59,4 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           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature max. (dynamic)         20 °C           Operating temperature max. (dynamic)         60 °C      <	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation         1,55 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)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard	Material wire insulation	PE
Outer diameter tolerance core insulation         ± 5 %           Shore bardness wire insulation         65 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           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 % MHz           Electrical resistance line constant wire         59,4 0/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Max. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature min. (dynamic)         -20 °C           Operating temperature min. (dynamic)         -20 °C           Flame resistance         Good, application-r	Amount wires	4
Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         20 × Ly Ø 60 s           Electrical capacity (standard)         20 kW Ø 60 s           Electrical capacity (standard)         2 kV Ø 60 s           AC withstand voltage (wire -	Outer diameter insulation	1,55 mm
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 22 AWG  Conductor crosssection (wire) 22 AWG  Material conductor wire copper stranded wire, tinned  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 % MHz  Electrical resistance line constant wire 59.4 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Electrical capacity line constant (wire - wire) 52000 pF/km  Power frequency withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Coperating temperature max. (dynamic) -20 °C  Flame resistance EG 6033-2-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 x Outer diameter  Bending radius (fixed) 4 Min.	Outer diameter tolerance core insulation	±5%
Amount strands (wire)         19           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           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 % MHz           Electrical resistance line constant wire         59,4 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         52000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           AG withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         60 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         G	Shore hardness wire insulation	65 Shore D
Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           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 % MHz           Electrical resistance line constant wire         59,4 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 - siacket)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         60 °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           Oli resistance         Good, application-related testing   DIN EN 60811-404	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire)         22 AWG           Material conductor wire         copper stranded wire, tinned           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 % MHz           Electrical resistance line constant wire         59,4 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         52000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         60 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         8 x Outer diameter           Bending radius (dynamic)         12 x Outer diameter	Amount strands (wire)	19
Material conductor wire copper stranded wire, tinned  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 $\Omega \pm 15$ % MHz  Electrical resistance line constant wire 59,4 $\Omega$ /km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Electrical capacity line constant (wire - wire) 52000 pF/km  Power frequency withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Plame 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 Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 × Outer diameter  Bending radius (dynamic) 12 x Outer diameter  Bending radius (dynamic) 4 Mio.	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 $100 \Omega \pm 15 \%$ MHz  Electrical resistance line constant wire 59,4 $\Omega$ /km @ 20 °C  AC withstand voltage (wire - wire) $2 \text{ kV}$ @ 60 s  Electrical capacity line constant (wire - wire) $52000 \text{ pF/km}$ Power frequency withstand voltage (wire - $3000 \text{ km}$ ) $3000 \text{ km}$ AC withstand voltage (wire - shield) $3000 \text{ km}$ AC withstand voltage (wire - shield) $3000 \text{ km}$ AC withstand voltage (wire - shield) $3000 \text{ km}$ AC withstand voltage (wire - shield) $3000 \text{ km}$ Min. operating temperature (fixed) $3000 \text{ km}$ Max. operating temperature (fixed) $3000 \text{ km}$ Operating temperature min. (dynamic) $3000 \text{ km}$ Coperating temperature max. (dynamic) $3000 \text{ km}$ Flame resistance $3000 \text{ km}$ Good, application-related testing}  Gasoline resistance $3000 \text{ km}$ Good, application-related testing}  Oli resistance $3000 \text{ km}$ Bending radius (fixed) $3000 \text{ km}$ Bending radius (fixed) $3000 \text{ km}$ Bending radius (dynamic) $3000 \text{ km}$ 12 x Outer diameter  Bending radius (dynamic) $3000 \text{ km}$ 4 Mio.	Conductor crosssection (wire)	22 AWG
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Characteristic impedance $100 \Omega \pm 15 \%$ MHz  Electrical resistance line constant wire 59,4 $\Omega$ /km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Electrical capacity line constant (wire - wire) 52000 pF/km  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 60 °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 Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 × Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	Material conductor wire	copper stranded wire, tinned
Current load capacity min. wire 4,8 A  Characteristic impedance $100 \Omega \pm 15 \%  \text{MHz}$ Electrical resistance line constant wire $59.4  \Omega / \text{km} \otimes 20  ^{\circ} \text{C}$ AC withstand voltage (wire - wire) $2  \text{kV} \otimes 60  \text{s}$ Electrical capacity line constant (wire - wire) $52000  \text{pF} / \text{km}$ Power frequency withstand voltage (wire - aiacket) $2  \text{kV} \otimes 60  \text{s}$ AC withstand voltage (wire - shield) $2  \text{kV} \otimes 60  \text{s}$ AC withstand voltage (wire - shield) $2  \text{kV} \otimes 60  \text{s}$ Min. operating temperature (static) $40  ^{\circ}  \text{C}$ Operating temperature (fixed) $80  ^{\circ}  \text{C}$ Operating temperature max. (dynamic) $40  ^{\circ}  \text{C}$ Operating temperature max. (dynamic) $40  ^{\circ}  \text{C}$ Flame resistance $4  \text{EC}  \text{60332-2-2}  \text{UL}  1581  \$  1000  \text{IU}  1581  \$  1100  \text{FT2}$ chemical resistance $4  \text{Good}  \text{application-related testing}$ Gasoline resistance $4  \text{Good}  \text{application-related testing}$ Oil resistance $4  \text{Good}  \text{application-related testing}$ Bending radius (fixed) $4  \text{kV}  \text{MEZ}  \text{COUter diameter}$ Bending radius (dynamic) $4  \text{kW}  \text{OUter diameter}$ Bending radius (dynamic) $4  \text{kW}  \text{OUter diameter}$	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \%  \text{MHz}$ Electrical resistance line constant wire $59.4  \Omega / \text{km} \oplus 20  ^{\circ} \text{C}$ AC withstand voltage (wire - wire) $2  \text{kV} \oplus 60  \text{s}$ Electrical capacity line constant (wire - wire) $52000  \text{pF/km}$ Power frequency withstand voltage (wire - jacket) $2  \text{kV} \oplus 60  \text{s}$ AC withstand voltage (wire - shield) $2  \text{kV} \oplus 60  \text{s}$ Min. operating temperature (static) $40  ^{\circ} \text{C}$ Max. operating temperature (fixed) $80  ^{\circ} \text{C}$ Operating temperature min. (dynamic) $40  ^{\circ} \text{C}$ Poperating temperature max. (dynamic) $40  ^{\circ} \text{C}$ Flame resistance $40  ^{\circ} \text{C}$ Flame resistance $40  ^{\circ} \text{C}$ Gasoline resistance $40  ^{\circ} \text{C}$ Good, application-related testing $40  ^{\circ} \text{C}$ Giresistance $40  ^{\circ} \text{C}$ Good, application-related testing $40  ^{\circ} \text{C}$ Bending radius (fixed) $40  ^{\circ} \text{C}$ Bending radius (dynamic) $40  ^{\circ} \text{C}$ 4 Mio.	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 59,4 \( \Omega \) (20 °C  AC withstand voltage (wire - wire) 2 kV \( \omega \) 60 s  Electrical capacity line constant (wire - wire) 52000 pF/km  Power frequency withstand voltage (wire - jacket) 2 kV \( \omega \) 60 s  AC withstand voltage (wire - shield) 2 kV \( \omega \) 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 60 °C  Flame resistance IEC 60332-2-2   UL 1581 \( \graphi \) 100   UL 1581 \( \graphi \) 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	Current load capacity min. wire	4,8 A
AC withstand voltage (wire - wire)  2 kV @ 60 s  Electrical capacity line constant (wire - wire)  52000 pF/km  Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  2 kV @ 60 s  AC withstand voltage (wire - shield)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -20 °C  Operating temperature max. (dynamic)  60 °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  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  8 x Outer diameter  Bending radius (dynamic)  12 x Outer diameter  No. of torsion cycles  4 Mio.	Characteristic impedance	$100~\Omega$ ± 15 % MHz
Electrical capacity line constant (wire - wire) 52000 pF/km  Power frequency withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 60 °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 Good, application-related testing IDIN EN 60811-404  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	Electrical resistance line constant wire	59,4 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -20 °C  Operating temperature max. (dynamic)  60 °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  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  8 x Outer diameter  Bending radius (dynamic)  12 x Outer diameter  No. of torsion cycles  4 Mio.	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 60 °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 Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	Electrical capacity line constant (wire - wire)	52000 pF/km
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Oo °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  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  8 x Outer diameter  Bending radius (dynamic)  12 x Outer diameter  No. of torsion cycles  4 Mio.	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Oo °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  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  8 x Outer diameter  Bending radius (dynamic)  12 x Outer diameter  No. of torsion cycles  4 Mio.	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Oi 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 Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 60 °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 Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	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 Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	Operating temperature min. (dynamic)	-20 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	Operating temperature max. (dynamic)	60 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	chemical resistance	Good, application-related testing
Bending radius (fixed) 8 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 4 Mio.	Oil resistance	Good, application-related testing   DIN EN 60811-404
No. of torsion cycles 4 Mio.	Bending radius (fixed)	8 x Outer diameter
·	Bending radius (dynamic)	12 x Outer diameter
Torsion stress ± 180 °/m	No. of torsion cycles	4 Mio.
	Torsion stress	± 180 °/m