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

PUR 1x4xAWG22 shielded gn UL/CSA 1m

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

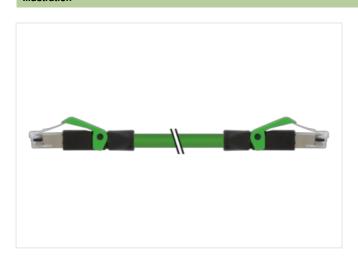
Further cable lengths on request.

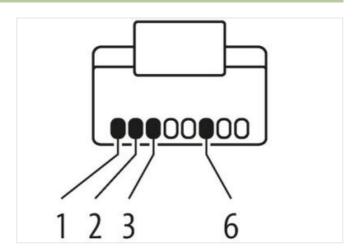
Plastic housings with good resistance against chemicals and oils.

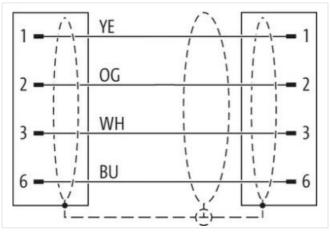
The resistance to aggressive media should be individually tested for your application. Further details on request.

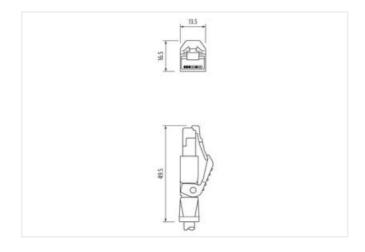
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

1 m

Side 1

Mounting method

inserted

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Family construction form	RJ45
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
customs tariff number	85444210
GTIN	4048879434911
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication   Ethernet functionality	
duplex	Full duplex
•	i uli duplex
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP20
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Material housing	PUR
Locking material	PA
Mechanical data   Mounting data	
	Consideration
Looking techniques	Snap-in connector
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	
Cable identification	794
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1

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



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Cable shielding (overage)         85 %           Banding         Fleece, Foll           Filler         yes           wis arrangement         white, yellow, blue, orange           Cable weight         75,87 g/m           Material jacket         PUR           Shore Aardness jackel         89 Shore A           Freedeam from ingedents (jacket)         6,7 mm           Outer-dismeter (jacket)         6,7 mm           Tolerance outer clameter (leaketh)         1,5 %           Material inner jacket)         #NE           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,55 mm           Outer diameter insulation         1,55 mm           Shore hardness wire insulation         65 Shore D           Ingredient feeness wire insulation         65 Shore D           Ingredient feeness wire insulation         22 AWG           Conductor crosssection (wire)         22 AWG           Conductor ressection (wire)         22 AWG           Conductor wire         Stranded copper wire, bare           Normal voltage AC max         300 V           Current load capacity grant. vire         4,8 A           Characteristic impedance         10 N C 2984 <th>Stranding</th> <th>4 wires around Filler twisted</th>	Stranding	4 wires around Filler twisted
Filer   yes   yes   wite arrangement   white, yellow, blue, orange   Cable weigh   75,87 g/m	Cable shielding (type)	copper braid, tinned
Filter yes write arrangement white, yellow, blue, orange Cable weigh 75,87 g/m Material jacket PUR Shore hardness jacket 98 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (scheath) 1 € 5 % PINC Color (inner jacket) 1 € 5 % PINC Color (inner jacket) white Material inner jacket) white PINC Color (inner jacket) PINC	Cable shielding (coverage)	85 %
wire arrangement white, yellow, blue, orange Cable weight 75,87 g/m  Material jacket PUR  Shore hardness jacket 89 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Querd-diameter (jacket) 6,7 mm  Tolerance outer diameter (sheath) ± 5 %  Material inner jacket FRNC  Color (inner jacket) white  Material wire insulation PE  Amount wires 4  Amount wires 4  Amount wires 5  Amount strands (wire) 1,55 mm  Outer diameter insulation 1,55 mm  Outer diameter insulation 68 Shore D  Ingredient freeness wire insulation 85 Shore D  Ingredient freeness wire insulation 85 Shore D  Ingredient freeness wire insulation 97 P  Diameter of single wires 22 AWG  Conductor crossection (wire) 22 AWG  Conductor crossection (wire) 22 AWG  Conductor crossection (wire) 22 AWG  Conductor orassection (wire) 25 AWG  Conductor tolage 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 (intensity wire) 2 kV Ø 60 s  Electrical reposition line constant wire 50 Qkm Ø 20 °C  AC withstand voltage (wire - wire) 2 kV Ø 60 s  Electrical reposition line constant wire wire) 2 kV Ø 60 s  Min. operating temperature (static) 40 °C  Min. operating temperature (static) 40 °C  Min. operating temperature (static) 40 °C  Operating temperature min. (dynamic) 70 °C  Fiamer resistance Good, application-related testing 1 DIN EN 6891-404  Bending radius (fixed) 6 × Outer diameter lesting 1 DIN EN 6891-404	Banding	Fleece, Foil
Cable weigth         75,87 g/m           Material jacket         PUR           Shore hardness jacket         89 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRINC           Color (inner jacket)         white           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,55 mm           Outer diameter insulation         5 %           Shore bardness wire insulation         65 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crossection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω± 15 %           Electrical cresistance line constant wire         55 D/km @ 20 °G           AC withstand voltage (wire - shi	Filler	yes
Material jacket         PUR           Shore hardness jacket         89 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5.7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRINC           Color (inner jacket)         white           Material wire insulation         PE           Armount wires         4           Culter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         15 Shore           Ingredient freeness wire insulation         15 Shore D           Ingredient freeness wire insulation         16 Shore D           Ingredient freeness wire insulation         16 Shore D           Ingredient freeness wire insulation         18 Shore P           Conductor vires of Shore P <td>wire arrangement</td> <td>white, yellow, blue, orange</td>	wire arrangement	white, yellow, blue, orange
Shore hardness jackelt         89 Shore A           Freedom from ingredients (jacket)         fead-free, cardmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6,7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRNC           Cotor (inner jacket)         white           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,55 mm           Outer diameter tolerance core insulation         55 %           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         16 Shore D           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)         10 IN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω± 15 %           Electrical capacity line constant (wire         50 D/m @ 20 °C	Cable weigth	75,87 g/m
Freedom from ingredients (jacket)   tead-free, cadminum-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Outer diameter (acket)         6,7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         white           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         65 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crossection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voitage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity ini. wire         4,8 A           Current load capacity min. wire         4,8 A           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)         5000 pFi/km      <	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         white           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)         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 setsitance line constant wire         4,8 A           Characteristic impedance         100 Ω ± 15 %           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           Correctal capacity line constant (wire	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket         FRNC           Color (inner jacket)         white           Material wire insulation         PE           Amount wires         4           Outer diameter loserance core insulation         1,55 mm           Outer diameter tolerance core insulation         65 %           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 %           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 is           Electrical capacity line constant (wire - wire)         2 kV @ 60 is           Fleetrical capacity line constant (wire - wire)         2 kV @ 60 is           AC withstand voltage (wire - shield)         2 kV @ 60 is           Min. operating temperature (s	Outer-diameter (jacket)	6,7 mm
Color (inner jacket)         white           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,55 mm           Outer diameter insulation         ± 5 %           Shore bardness 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 %           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Electrical capacity withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static) <td>Tolerance outer diameter (sheath)</td> <td>±5%</td>	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)         7           Dameter 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 %           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)         52000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AK withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Operating te	Material inner jacket	FRNC
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)         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 ± 15 %           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)         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)         30 °C           Operating temperature (fixed)         40 °C	Color (inner jacket)	white
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)         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 %           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)         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 (static)         -40 °C           Max. operating temperature min. (dynamic)	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 %           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)         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 (stied)         80 °C           Operating temperature (stied)         80 °C           Operating temperature (stied)         30 °C           Operating temperature min. (dynamic)         70 °C           Flame resistance         U. 1581 § 1090   IEC 60332-2-2   U. 1	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 win. wire         4.8 A           Characteristic impedance         100 Ω ± 15 %           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           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 (static)         -40 °C           Max. operating temperature max. (dynamic)         70 °C           Flame resistance	Outer diameter insulation	1,55 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 min. wire 4,8 A  Characteristic impedance 100 Ω ± 15 %  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) 5000 pF/km  Power frequency 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 (fixed) 80 °C  Operating temperature min. (dynamic) 70 °C  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  Chemical resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 6 x Outer diameter	Outer diameter tolerance core insulation	±5%
Amount strands (wire)       7         Diameter of single wires       22 AWG         Conductor crosssection (wire)       22 AWG         Material conductor wire       Stranded copper wire, 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 %         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)       52000 pF/km         Power frequency withstand voltage (wire - sieckel)       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)       -30 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       6 x Outer diameter	Shore hardness wire insulation	65 Shore D
Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 %           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)         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)         -30 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         UL 1581 § 1900   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         6 x Outer diameter	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 %           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)         52000 pF/km           Power frequency withstand voltage (wire - jacket)         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)         -30 °C           Operating temperature max. (dynamic)         70 °C           Fiame resistance         UL 1581 § 1900   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing   DIN EN 6081-404           Bending radius (fixed)         6 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 $100 \Omega \pm 15 \%$ Electrical resistance line constant wire $55 \Omega / \text{km} \otimes 20  ^{\circ}\text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} \otimes 60  \text{s}$ Electrical capacity line constant (wire - wire) $52000  \text{pF/km}$ Power frequency withstand voltage (wire - jacket) $2 \text{ kV} \otimes 60  \text{s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \otimes 60  \text{s}$ Min. operating temperature (static) $40  ^{\circ}\text{C}$ Max. operating temperature (fixed) $80  ^{\circ}\text{C}$ Operating temperature min. (dynamic) $30  ^{\circ}\text{C}$ Plame resistance UL $1581  \S  1090                     $	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 $100 \Omega \pm 15 \%$ Electrical resistance line constant wire $55 \Omega / \text{km} \oplus 20 \text{ °C}$ AC withstand voltage (wire - wire) $2 \text{ kV} \oplus 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} \oplus 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} \oplus 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} \oplus 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \oplus 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \oplus 60 \text{ s}$ Min. operating temperature (static) $40 \text{ °C}$ Max. operating temperature (fixed) $80 \text{ °C}$ Operating temperature min. (dynamic) $30 \text{ °C}$ Operating temperature max. (dynamic) $70 \text{ °C}$ Flame resistance $0 \text{ UL } 1581 \S 1090   \text{ IEC } 60332-2-2   \text{ UL } 1581 \S 1100 \text{ FT2}$ 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) $6 \times 0$ uter diameter	Conductor crosssection (wire)	22 AWG
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Characteristic impedance 100 \( \Omega \text{ ± 15 \%} \)  Electrical resistance line constant wire 55 \( \Omega \text{ km @ 20 °C} \)  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  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 UL 1581 \( \frac{1}{2} \) 1090   IEC 60332-2-2   UL 1581 \( \frac{1}{2} \) 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) 6 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire       4,8 A         Characteristic impedance       100 Ω ± 15 %         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)       52000 pF/km         Power frequency withstand voltage (wire - jacket)       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)       -30 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   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)       6 x Outer diameter	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \%$ Electrical resistance line constant wire $55 \Omega / \text{km} \otimes 20  ^{\circ} \text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} \otimes 60 \text{ s}$ Electrical capacity line constant (wire - wire) $52000  \text{pF/km}$ Power frequency withstand voltage (wire - $ \text{since} $ $ sin$	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) 52000 pF/km  Power frequency withstand voltage (wire - jacket) 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) -30 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1090   IEC 60332-2-2   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) 6 x Outer diameter	Current load capacity min. wire	4,8 A
AC withstand voltage (wire - wire)  Electrical capacity line constant (wire - wire)  Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  Electrical capacity line constant (wire - wire)  Electrical capacity line (state)  Electrical capacity line (wire - wire)  Electrical capacity line (wire file (wire)  Electrical capacity line (wire)  Electrical capacity line (wire file (wire)  Electrical capacity line (wire file (wire)  Electrical capacity line (wire)  Electrical capacity line (wire)  Electrical capacity line (wire)  Electrical capacity line (wire)  Electrical capacity	Characteristic impedance	100 Ω ± 15 %
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  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 UL 1581 § 1090   IEC 60332-2-2   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) 6 x Outer diameter	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  AC withstand voltage (wire shield)  AC withstand voltag	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  Chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  6 x Outer diameter	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)  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   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)  6 x Outer diameter	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)  70 °C  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   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)  6 x Outer diameter	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090   IEC 60332-2-2   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) 6 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   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)  6 x Outer diameter	Max. operating temperature (fixed)	80 °C
Flame resistance UL 1581 § 1090   IEC 60332-2-2   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) 6 x Outer diameter	Operating temperature min. (dynamic)	-30 °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) 6 x Outer diameter	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (fixed) 6 x Outer diameter	Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 6 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 6 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing   DIN EN 60811-404
Rending radius (dynamic) 12 x Quiter diameter	Bending radius (fixed)	6 x Outer diameter
Denoing radial (agricultur)	Bending radius (dynamic)	12 x Outer diameter