

stay connected

RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA 20m

Ethernet CAT5
Male straight – male straight
RJ45 – RJ45, 4-pole
shielded
Further cable lengths on request.

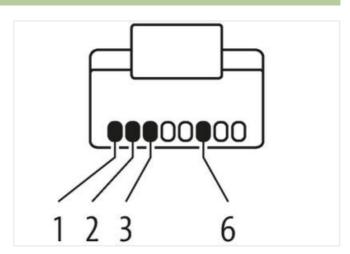
Plastic housings with good resistance against chemicals and oils.

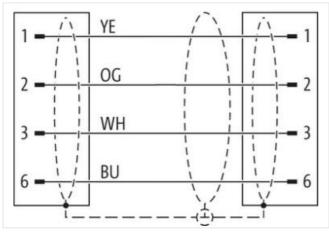
The resistance to aggressive media should be individually tested for your application. Further details on request.

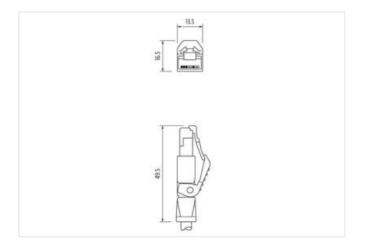
Link to Product

Illustration









Product may differ from Image









Cable length

20 m

Side 1

Mounting method inse

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	4048879438407
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
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 fund	•
duplex	Full 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)	I
Mechanical data	
Contour for corrugated hose	without
	Hulout
Mechanical data Material data	
Material housing	PUR
_ocking material	PA
Mechanical data Mounting data	
_ooking 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.
toto on otrain rollor	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.
Note on bending radius Installation Cable	endangered by excessive bending forces.
Installation Cable	
Installation Cable Cable identification	794
Installation Cable	



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Cable shielding (overage) 85 % Banding Fleece, Foll Filler yes wire 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) #NRC Color (inner jacket) white Material wire insulation PE Annount wires 4 Outer diameter insulation 1,55 mm Outer diameter insulation 65 Shore D Ingredient feeness 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 prin. wire 4,8 A	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 84 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 (standard) to DIN VDE 0298-4 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 pF/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	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 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 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 Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance <t< td=""><td>Outer diameter insulation</td><td>1,55 mm</td></t<>	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 6081-404 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) 52000pF/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 $55 \Omega / \text{km} \otimes 20 \text{ °C}$ AC withstand voltage (wire - wire) $2 \text{ kV} \otimes 60 \text{ s}$ Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency 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 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance $0 \text{ UL } 1581 \S 1090 \text{ IEC } 60332-2-2 \text{ UL } 1581 \S 1100 \text{ FT2}$ chemical resistance $0 \text{ Good, application-related testing}$ Gasoline resistance $0 \text{ Good, application-related testing}$ Oil resistance $0 \text{ Good, application-related testing } \text{ DIN EN } 60811-404$ Bending radius (fixed) $6 \times \text{ Outer diameter}$	Conductor crosssection (wire)	22 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 \(\Omega \text{ ± 15 \%} \) 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) 52000pF/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 file (wire) Electrical capacity line (wire file) 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