

RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 0.6m

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

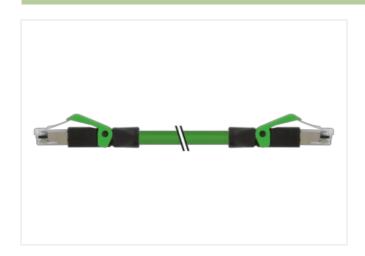
Further cable lengths on request.

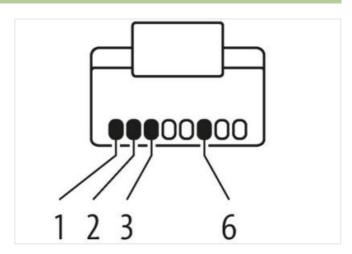
Plastic housings with good resistance against chemicals and oils.

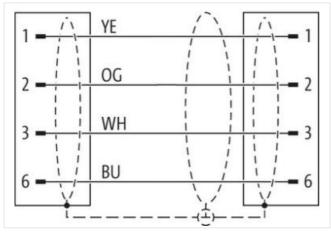
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration









Product may differ from Image















Cable length

0,6 m

Side 1

Mounting method

inserted



stay connected

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	EC001855
customs tariff number	85444210
GTIN	4048879741699
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 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
<u> </u>	WILHOUT
Mechanical data Material data	
Material housing	PUR
Locking material	PA
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	· A
	Destruction of the second of t
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation Cable	
	Physical Control of the Control of t
wire arrangement	white, yellow, blue, orange
wire arrangement Cable identification	wnite, yellow, blue, orange 793



stay connected

Cable shielding (cyoe) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foll Filler yes wine arrangement whito, yellow, blue, orange Cable weight 69.3 g/m Malarerial jacket PUR Shore hardness jacket 90 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (sleaket) 6.6 mm Toferance outer diameter (sheath) 4.5 % Material wire insulation PE Amount wires 4 Quer diameter tolerance core insulation 1,55 mm Outer diameter tolerance swe insulation 65 Shore D Shore hardness wire insulation 12 SW Diameter of single wires 22 AWG Conductor crossection (wire) 19 Diameter of single wires 22 AWG Conductor wire copper stranded wire, tinned Mominal voltage AC max. 300 V Current load capacity min, wire 4,8 A Characteristic impedance 100 N bt 15 % MHz <	Amount stranding	1
Cable shielding (coverage) 85 % Banding Fleece, Foil Filtiler yes wire arrangement white, yellow, blue, orange Cable weight 69.3 g/m Malarial jacket PUR Shore hardness jacket 90 Shore A Freedom from ingredients (jacket) 6.6 mm Tolerance outer diameter (jacket) 5.6 mm Tolerance outer diameter (sheath) ± 5 % Malarial wire insulation PE Amount wires 4 Duiter diameter insulation 1,55 mm Outer diameter tolerance core insulation 65 Shore D Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Onder drameter tolerands (wire) 19 Diameter of single wires 22 AWG Conductor crossescition (wire) 22 AWG Nominal voltage AC max. 300 V Current load capacity fine impedance 100 Dx 15 % MHz Electrical resistance line constant (wire - wire) 59 4 Dkm @ 20 °C AC withstand voltage (wire - wire) 2kV @ 60 s <td>Stranding</td> <td>4 wires around Filler twisted</td>	Stranding	4 wires around Filler twisted
Fleece, Foli	Cable shielding (type)	copper braid, tinned
Filler yes white, yellow, blue, orange with a grangement white, yellow, blue, orange white, yellow, blue, orange white, yellow, blue, orange white, yellow, blue, orange with yellow, blue, yellow, yello	Cable shielding (coverage)	85 %
wire arrangement white, yellow, blue, orange 68.3 g/m Material jacket PUR Shore hardness jacket 90 Shore A Freedom from ingredients (jacket) Lead-free, camium-free, CFC-free, halogen-free, silicone-free Jouter diameter (jacket) Lead-free, damium-free, CFC-free, halogen-free, silicone-free Jouter diameter (feheath) Lead-free, damium-free, CFC-free, halogen-free, silicone-free Jouter diameter (feheath) Lead-free, damium-free, CFC-free, halogen-free, silicone-free Jouter diameter (feheath) Lead-free, CFC-free, halogen-free Amount wires 4 Jouer diameter insulation List mm Jouer diameter (feheath) List mm List mm Jouer diameter (feheath) List mm List	Banding	Fleece, Foil
Cable weigth 69,3 g/m Material jacket PUR Material jacket 90 Shore A 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 lolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 15 mm Ingredient freeness wire insulation 18 mm Conductor crossesses wire insulation 22 AWG <td>Filler</td> <td>yes</td>	Filler	yes
Material jacket PUR Shore hardness jacket 90 Shore A Freedom from Ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) 2.5 % Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation 65 Shore D Shore hardness wire insulation 65 Shore D Ohignetien freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of slight wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor vire copper stranded wire, tinned Nominal voltage AC max. 300 V Gurrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (in- wire) 2 kV @ 60 s Electrical resistance line constant wire 59.4 D/km @ 20°C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pr/km	wire arrangement	white, yellow, blue, orange
Shore hardness jacket 90 Shore A 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 65 Shore D Ingredient freeness wire insulation 19 Diameter of single wires 22 AWG Conductor crosssection (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 (standard) to DIN VDE 0298-4 Current load capacity (stero wire) 2 kV @ 60 s Electrical resistance line constant wire 59,4 Ω/km @ 20 °C AC withstand	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 Toferance outer diameter (sheath) ± 5 % Material wire insulation PE Amount wires 4 Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation 55 Shore D Ingredient freeness wire insulation 165 Shore D Ingredient freeness wire insulation 179 PE Diameter of single wires 22 AWG Conductor crosssection (wire) 19 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor crosssection (wire) 22 AWG Conductor resssection (wire) 19 Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity inin. wire 4.8 A Characteristic impedance 100 2 ± 15 % MHz Electrical capacity 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 (static) 40 °C Max. operating temperature (istatic) 40 °C Max. operating temperature min. (dynamic) 20 °C Operating temperature with 20 °C Operating temper	Material jacket	PUR
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 ± 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 wire 59.4 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical resistance line constant (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C AC withstand voltage	Shore hardness jacket	90 Shore A
Tolerance outer diameter (sheath)	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 (withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s	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 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) 2 kV @ 60 s Electrical peancy withstand voltage (wire - sheld) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) 20 °C Operating temperature min. (dynamic) 60 °C	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,55 mm Outer diameter tolerance core insulation ± 5 % Shore Andress 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) 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 Q/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 Mc. withstand voltage (wire - shield) 2 kV @ 60 s Mc. withstand voltage (wire - shield) 2 kV @ 60 s Mc. withstand voltage (wire - shie	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) 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 Power frequency withstand voltage (wire - shacket) 2 kV @ 60 s AC withstand voltage (wire - shacket) 2 kV @ 60 s Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 60 °C Filame resistance IEC 660332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resista	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 Chracteristic impedance 100 Ω ± 15 % MHz Electrical esistance 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 AC 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 (static) 40 °C Max. operating temperature (static) 60 °C Flame resistance Elec 60332-	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 (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 Poperating temperature max. (dynamic) -20 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 8 × Outer diameter Bending radius (fixed) 8 × Outer diameter Bending radius (fynamic) 12 × Outer diameter Bending radius (fynamic) 12 × Outer diameter No. of torsion cycles 4 Mio.	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 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) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 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 (mixed) 60 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Coil resistance Good, application-related testing Coil resistance Goo	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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Current load capacity min. wire 4,8 A Current load capacity min. wire 59,4 Ω/km @ 20 °C 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 Operating temperature max. (dynamic) 60 °C Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil 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 × Outer diameter Bending radius (dynamic) 12 × Outer diameter No. of torsion cycles 4 Mio.	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 (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 Oil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 8 × Outer diameter Bending radius (dynamic) 12 x Outer di	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 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 Chemical 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 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 Ω /km @ 20 °C AC withstand voltage (wire - wire) $2 \text{ kV } @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 52000 pF/km Power frequency withstand voltage (wire - shield) $2 \text{ kV } @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV } @ 60 \text{ s}$ Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 40 °C Flame resistance 40 CO application-related testing 40 co application-related	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 $59,4 \Omega / \text{km} \otimes 20 ^{\circ}\text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} \otimes 60 \text{s}$ Electrical capacity line constant (wire - wire) 5000pF/km Power frequency withstand voltage (wire - acket) $2 \text{ kV} \otimes 60 \text{s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} \otimes 60 \text{s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} \otimes 60 \text{s}$ 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) $-20 ^{\circ}\text{C}$ Operating temperature max. (dynamic) $-20 ^{\circ}\text{C}$ Flame resistance $-20 ^{\circ}\text{C}$ Electrical capacity in the prevalure max. (dynamic) $-20 ^{\circ}\text{C}$ Good, application-related testing $-20 ^{\circ}\text{C}$ Good, application-related testing $-20 ^{\circ}\text{C}$ Bending radius (fixed) $-20 ^{\circ}\text{C}$ Bending radius (fixed) $-20 ^{\circ}\text{C}$ Bending radius (dynamic) $-20 ^{\circ}\text{C}$ A with the constant wire $-20 ^{\circ}\text{C}$ Bending radius (dynamic) $-20 ^{\circ}\text{C}$ Bending radius (dynamic) $-20 ^{\circ}\text{C}$ A with the constant wire $-20 ^{\circ}\text{C}$ Bending radius (dynamic) $-20 ^{\circ}\text{C}$ A with the constant wire $-20 ^{\circ}\text{C}$ Bending radius (dynamic) $-20 ^{\circ}\text{C}$ A with the constant wire $-20 ^{\circ}\text{C}$ Bending radius (dynamic) $-20 ^{\circ}\text{C}$ A with the constant wire $-20 ^{\circ}\text{C}$ Bending radius (dynamic) $-20 ^{\circ}\text{C}$ Bending radius (dynamic) $-20 ^{\circ}\text{C}$ Bending radius (dynamic) $-20 ^{\circ}\text{C}$	Material conductor wire	copper stranded wire, tinned
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 - acket) 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 EC 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.	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) 52000pF/km Power frequency 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) $40 ^{\circ}\text{C}$ Max. operating temperature (fixed) $80 ^{\circ}\text{C}$ Operating temperature min. (dynamic) $40 ^{\circ}\text{C}$ Operating temperature max. (dynamic) $40 ^{\circ}\text{C}$ Flame resistance $40 ^{\circ}\text{C}$ Elec $60332 \cdot 2 \cdot 2 \cdot ^{\circ}\text{LU} \cdot 1581 ^{\circ}\text{L} \cdot 100 ^{\circ}\text{LU} \cdot 1581 ^{\circ}\text{L} \cdot 100 ^{\circ}\text{LU}$ Chemical resistance $40 ^{\circ}\text{C}$ Good, application-related testing $40 ^{\circ}\text{C}$ Bending radius (fixed) $40 ^{\circ}\text{C}$ Bending radius (dynamic) $40 ^{\circ}\text{C}$ Bending radius (dynamic) $40 ^{\circ}\text{C}$ Bending radius (dynamic) $40 ^{\circ}\text{C}$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 59,4 \(\Omega \)/km \(\omega \) 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 - iacket) 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 \(\gred \) 100 UL 1581 \(\gred \) 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 - acket) 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 Ω ± 15 % MHz
Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - iacket) AC withstand voltage (wire - shield) AC withstand voltage (shield) BC withstand voltage (wire - shield) AC withstand voltage (wire - shield) AC withstand voltage (shield) BC withstand voltage (shield) AC withs	Electrical resistance line constant wire	59,4 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (shield) AC with ac w	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield) AC with stand voltage (wire - shield) AC with stand voltage (wire - shield) AC with stand voltage (wire - shield) AC word of contage (with stand voltage (with	Electrical capacity line constant (wire - wire)	52000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) 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.	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) 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.	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 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