

RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 4m

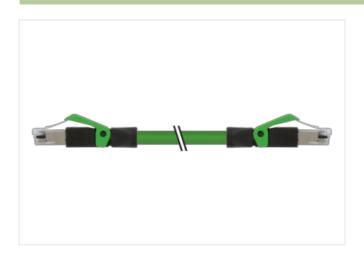
Ethernet CAT5 Male straight - male straight RJ45 - RJ45, 4-pole shielded Further cable lengths on request.

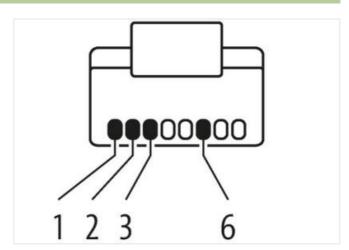
Plastic housings with good resistance against chemicals and oils.

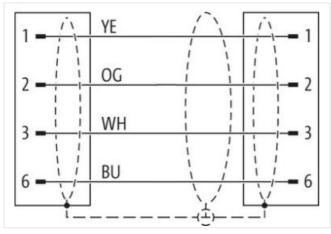
The resistance to aggressive media should be individually tested for your application. Further details on request.

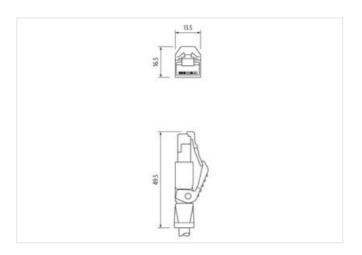
Link to Product

Illustration









Product may differ from Image









Cable length

4 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	EC002599
customs tariff number	85444210
GTIN	4048879680950
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 fun	ctionality
·	•
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
Mechanical data Material data	
·	DUD
Material housing Locking material	PUR PA
	га
Mechanical data Mounting data	
Looking techniques	Snap-in connector
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
	endangered by excessive bending forces.
Installation Cable	endangered by excessive bending forces.
Installation Cable Cable identification	endangered by excessive bending forces. 659
Installation Cable	endangered by excessive bending forces.



stay connected

Cable shielding (coverage) 65 % Barding Floor, Foll Filler yas with arrangement white, yellow, bue, orange Travorsing distance (C-track) 5 m Cable weight 951 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 90 £ Shore A Freedom from ingendents ((acket)) 1,4 mm Alertial jacket 90 £ Shore A Freedom from ingendents ((acket)) 1,4 mm Alertial jacket 90 £ Shore A Freedom from ingendents ((acket)) 1,4 mm Alertial jacket 90 £ Shore A Freedom from ingendents ((acket)) 1,4 mm Alertial inner jacket 10 £ S % Amount wires 14 € Amount wires 14 € Shore Jacket 10 € Shore Ja	Stranding	4 wires around Core filler twisted
Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wine arrangement white, yellow, blue, orange Traversing distance (C-track) 5 m Cable weight 89,1 g/m Matural jacket PUR Shore hardness jacket 90 s Shore A Freedom from ingredients (gacket) load free, CFC-free, halogen-free Culer-diameter (jacket) 7.4 mm Tollerance outer diameter (sheath) 5 % Material inner jacket TPE-V Color (inner jacket) white Material inner jacket TPE-V Color (inner jacket) white Material inner jacket TPE-V Color (inner jacket) white Material inner jacket PE Amount wires 4 Culer diameter insulation 1,4 mm Culer diameter insulation 55 % Shore hardness wire insulation 55 % or D Ingredient feeness wire insulation 16 4 % Ingredient feeness wire insulation 16 %		copper braid, tinned
Fleece		
wire arrangement white, yellow, blue, orange Traversing distance (C-track) 5 m Cable weight 89.1 g/m Material jacket PUR Shore hardness jacket 90 ± Shore A Freedom from ingredients (jacket) 12 mm		
wire arrangement white, yellow, blue, orange Traversing distance (C-track) 5 m Cable weight 89.1 g/m Material jacket PUR Froedom from ingredients (jacket) 109.2 shore A Froedom from ingredients (jacket) 100.2 shore A Material inner jacket 1	Filler	yes
Traversing distance (C-track) 5 m Cable weight 89,1 gm Material Jacket PUR Shore hardness jacket 90 ± Shors A Freedom from ingredients (jacket) 19 ± Shors A Freedom from ingredients (jacket) 7,4 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter 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 Damater of slight wires 22 AWG Conductor crosssection (wire) 32 SWG Denater of slight wires 22 AWG Conductor wire saccessed (wire) 30 Mm kerial conductor wire Nominal voltage AC max. 60 W a. km Vourrent load capacity first. wire slight 50 DM N a. km	wire arrangement	<u> </u>
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Material jacket PUR Shore hardness jacket 90 ± Shore A Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 7,4 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket) TPE-V Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter rolerance core insulation 5 % Shore hardness wire insulation 65 Shore D Ingredient fleeness wire insulation 65 Shore D Ingredient fleeness wire insulation 1.4 mm Variety of the single wires 22 AWG Conductor crosssection (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Loop resistance 5000 MΩ × km Nominal vollage AC max 60 V Current load capacity (standard) to DIN VDE 0290-4 Current load capacity (standard) to DIN VDE 0290-4 Current load capacity (wire - wire) 50 VW		89,1 g/m
Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 7,4 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 66 Shore D Ingredient freeness wire insulation 68 Shore D Ingredient freeness wire insulation 66 Shore D Tolerate free freeness wire insulation 60 V Conductor cressection (wire) 22 AWG Courred tole state of the state of the state of the		
Outer dameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Matorial inner jacket TPE V Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter losulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient reeness 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 Lop resistance 500 W X km Nominal voltage AC max. 60 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic integration 100 Ω ± 15 % Electrical resistance line constant wire 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity in inc constant (wire - wire) 2 kV @ 60 s Ele	Shore hardness jacket	90 ± Shore A
Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer dameter insulation 1,4 mm Outer dameter folerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount stands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor wire Stranded copper wire, bare Loop resistance 5000 MΩ × km Nominal voltage AC max. 60 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 resistance (wire - shield) 2 kV @ 60 s A	Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer dameter insulation 1,4 mm Outer dameter folerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount stands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor wire Stranded copper wire, bare Loop resistance 5000 MΩ × km Nominal voltage AC max. 60 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 resistance (wire - shield) 2 kV @ 60 s A		7,4 mm
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Color (inner jacket) white Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation lead-free, CFC-free, halogen-free 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 Loop resistance 5000 MΩ × km Nominal voltage AC max. 60 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 50 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 - sheld) 2 kV @ 60 s AC withstand voltage (wir	Material inner jacket	TPE-V
Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 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 Loop resistance 5000 MΩ × km Nominal voltage AC max. 60 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire 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 AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temp	Color (inner jacket)	white
Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 %. Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Loop resistance 5000 MΩ x km Nominal voltage AC max. 60 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity inin. wire 4,8 A Current load capacity wire 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) 2 kV @ 60 s Electrical capacity withstand voltage (wire - shiel) 2 kV @ 60 s AC withstand voltage (wire - shiel) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature min. (dynamic) -30 °C		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 Loop resistance 5000 MΩ × km Nominal voltage AC max. 60 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) 50000 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) -30 °C Operating temperature min. (dynamic) -30 °C <td>Amount wires</td> <td>4</td>	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 Loop resistance 5000 MΩ × km Nominal voltage AC max. 60 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 100 Ω ± 15 % Electrical resistance 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 AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 2 kV @ 60 s Max. operating temperature (fixed) 30 °C Operating temperature (fixed)	Outer diameter insulation	1,4 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 Loop resistance 5000 MΩ × km Nominal voltage AC max. 60 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) 50000 pF/km Power frequency withstand voltage (wire - iacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	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 Loop resistance 5000 M Ω x km Nominal voltage AC max 60 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) 50000 pF/km Power frequency withstand voltage (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 (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Filame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Shore hardness wire insulation	65 Shore D
Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Loop resistance 5000 M Ω x km Nominal voltage AC max 60 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) 50000 pF/km Power frequency withstand voltage (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 (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Filame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Loop resistance 5000 MΩ × km Nominal voltage AC max. 60 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) 50000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 ×		
Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Loop resistance 5000 MΩ × km Nominal voltage AC max. 60 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) 50000 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 (static) -30 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing		22 AWG
Material conductor wire Stranded copper wire, bare Loop resistance $5000 M\Omega \times km$ Nominal voltage AC max. $60 V$ 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 $55 \Omega / km \oplus 20 ^{\circ} C$ AC withstand voltage (wire - wire) $2 kV \oplus 60 s$ Electrical capacity line constant (wire - wire) $50000 pF / km$ Power frequency withstand voltage (wire - shield) $2 kV \oplus 60 s$ AC withstand voltage (wire - shield) $2 kV \oplus 60 s$ Min. operating temperature (static) $40 ^{\circ} C$ Max. operating temperature (fixed) $80 ^{\circ} C$ Operating temperature min. (dynamic) $30 ^{\circ} C$ Operating temperature max. (dynamic) $70 ^{\circ} C$ Flame resistance $UL 1581 \S 1100 FT2 IEC 60332 + 2 2 UL 1581 \S 1090$ chemical resistance $Good$, application-related testing Gasoline resistance $DIN EN 60811 + 404 Good$, application-related testing Bending radius (fixed) $5 \times Outer diameter$ Bending radius (dynamic) $12 \times Outer diameter$		
Nominal voltage AC max. 60 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) 50000pF/km Power frequency withstand voltage (wire - $2 \text{ kV} \otimes 60 \text{s}$ 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) $40 ^{\circ}\text{C}$ Operating temperature max. (dynamic) $40 ^{\circ}\text{C}$ Flame resistance UL $1581 ^{\circ}\text{s} 1100 \text{FT2} $. ,	Stranded copper wire, bare
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) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Loop resistance	5000 MΩ × km
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) 50000pF/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) $30 ^{\circ}\text{C}$ Operating temperature max. (dynamic) $70 ^{\circ}\text{C}$ Flame resistance $UL 1581 ^{\circ} 1100 ^{\circ}\text{T2} \text{IEC} 60332-2-2 UL 1581 ^{\circ} 1090$ chemical resistance $Good$, application-related testing Gasoline resistance $DIN ^{\circ} EN ^{\circ}$	Nominal voltage AC max.	60 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) 50000pF/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) $-30 ^{\circ}\text{C}$ Operating temperature max. (dynamic) $70 ^{\circ}\text{C}$ Flame resistance $0 \text{UL} 1581 \$ 1100 \text{FT2} \text{IEC} 60332 - 2 - 2 \text{UL} 1581 \$ 1090$ chemical resistance 0Good , application-related testing} Gasoline resistance $0 \text{DIN} \text{EN} 60811 - 404 \text{Good}$, application-related testing} Bending radius (fixed) $5 \text{x} \text{Outer diameter}$ Bending radius (dynamic) $12 \text{x} \text{Outer diameter}$	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) 50000 pF/km Power frequency withstand voltage (wire - including specified specif	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) AC withstand voltage (shield) AC withstand voltage (wire - shield) AC withstand voltage (shield) AC withst	Characteristic impedance	100 Ω ± 15 %
Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	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) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 12 × Outer diameter	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield) AC withstand voltage (wire shield) AC withstand voltage (withstand volt	Electrical capacity line constant (wire - wire)	50000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		2 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Max. operating temperature (fixed)	80 °C
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Operating temperature min. (dynamic)	-30 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		DIN FN 20044 4044 Q. H. P. P. P. L. H. P. P.
	Oil resistance	DIN EN 60811-404 Good, application-related testing
Travel speed (C-track) 2 Mio.		
	Bending radius (fixed)	5 x Outer diameter