

stay connected

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

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 5.5m

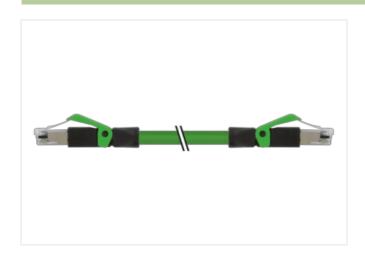
**Ethernet CAT5** Male straight - male straight RJ45 - RJ45, 4-pole shielded Further cable lengths on request.

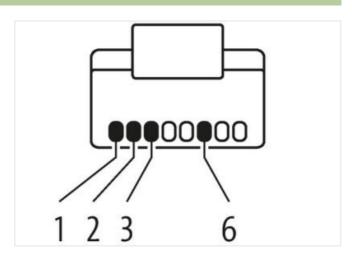
Plastic housings with good resistance against chemicals and oils.

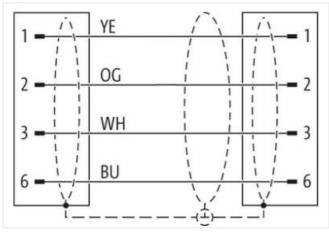
The resistance to aggressive media should be individually tested for your application. Further details on request.

## **Link to Product**

## Illustration









Product may differ from Image









Cable length

5,5 m

Side 1

Mounting method inserted



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Family construction form	RJ45
No. of poles	4
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444210
GTIN	4048879667937
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	
·	•
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	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	
Important installation notes	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
Important installation notes  Note on strain relief  Note on bending radius	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 endangered by excessive bending forces.
Note on strain relief  Note on bending radius	
Note on strain relief  Note on bending radius  Installation   Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Note on strain relief  Note on bending radius  Installation   Cable  Cable identification	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  659
Note on strain relief  Note on bending radius  Installation   Cable	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18



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Cable shielding (poyee)         copper braid, finned           Cable shielding (coverage)         85 %           Banding         Fleece, Foll           Filler         yes           win arrangement         white, yellow, blue, orange           Cable weight         89.1 g/m           Material packet         PUR           Shore hardness jacket         90.5 flore A           Freedom from ingredients (glocket)         12.4 mm           Tolerance outer diameter (glocket)         7.4 mm           Outer diameter (glocket)         7.4 mm           Outer diameter (glocket)         7.4 mm           Outer diameter (glocket)         1.4 mm           Outer diameter (glocket)         1.4 mm           Outer diameter (glocket)         5.5 %           Shore bardness (glocket)         1.5 %           Dispersion freeness wire insulation         1.5 %           Amou	Stranding	4 wires around Core filler twisted
Bandling         Fleare, Foll           Filler         yes           Filler         yes           Wise arrangement         white, yellow, blue, orange           Cable weight         89.1 g/m           Material jacket         PUR           Shore hardness jacket         90 ± Shore A           Freedom from ingredients (acket)         7.4 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inter jacket         TPE-V           Outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Outer diameter insulation         1.4 mm           Outer diameter tolerance core insulation         5 Shore D           Shore hardness wire insulation         1.4 mm           Outer diameter tolerance core insulation         5 Shore D           Ingredient freeness wire insulation         1.4 mm           Ingredient freeness wire insulation         1.4 mm           Ingredient freeness wire insulation         1.5 %           Ingredient freeness wire insulation         1.5 %           Ingredient freeness wire insulation         2.5 WG           Conductor wire         2.2 AWG           Conductor orassaction (wire)         2.2 AWG           Conductor orassaction (wi	Cable shielding (type)	copper braid, tinned
Bandling         Fleare, Foll           Filler         yes           Filler         yes           Wise arrangement         white, yellow, blue, orange           Cable weight         89.1 g/m           Material jacket         PUR           Shore hardness jacket         90 ± Shore A           Freedom from ingredients (acket)         7.4 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inter jacket         TPE-V           Outer diameter (sheath)         ± 5 %           Material wire insulation         PE           Outer diameter insulation         1.4 mm           Outer diameter tolerance core insulation         5 Shore D           Shore hardness wire insulation         1.4 mm           Outer diameter tolerance core insulation         5 Shore D           Ingredient freeness wire insulation         1.4 mm           Ingredient freeness wire insulation         1.4 mm           Ingredient freeness wire insulation         1.5 %           Ingredient freeness wire insulation         1.5 %           Ingredient freeness wire insulation         2.5 WG           Conductor wire         2.2 AWG           Conductor orassaction (wire)         2.2 AWG           Conductor orassaction (wi	Cable shielding (coverage)	85 %
wire arrangement white, yellow, blue, orange Cable weight 89,1 g/m Albertal jacket PUR Shore hardness jacket PUR Shore hardness jacket 99 ± Shore A Freedom from ingredients (jacket) 7,4 mm Tolerance 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  Amount wires 4 Amount wires 4 Amount wires 55 % Shore hardness wire insulation 1,4 mm Outer diameter (sheanse wire 1,4 mm Outer diameter (sheanse 1,4 m		Fleece, Foil
wite arrangement         white, yellow, blue, orange           Cable wigith         88,1 g/m           Material Jacket         PUR           Shore hardness jacket         90 ± Shore A           Freedom from ingredents (jacket)         17,4 mm           Tolerance outer diameter (sheeth)         ± 5 %           Material inner Jacket         TPE-V           Color (inner jacket)         white           Material wire insulation         PE           Amount wires         4           Amount wires         4           Cuter diameter tolerance orar insulation         5 5 Nore D           Under diameter insulation         5 5 Nore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         84 Fee, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Conductor crosssection (wire)         22 AWG           Conductor crosssection (wire)         22 AWG           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4	Filler	yes
Cable weight         89.1 g/m           Material jacket         PUR           Shore hardness jacket         90.1 Shore A           Freedom from ingredients (jacket)         12 may 1 mm           Outer-diameter (jacket)         7.4 mm           Orderance outer dramater (sheath)         ± 5 %           Material inner jacket         TPE V           Color (nner jacket)         white           Material wrise insulation         PE           Anount wires         4           Outer diameter insulation         1.4 mm           Outer diameter insulation         55 Shore a D           Outer diameter insulation         55 Shore a D           Outer diameter of origing wires         65 Shore a D           Outer diameter of insulation         65 Shore a D           Impredient research wire insulation         55 Shore a D           Outer diameter of single wires         22 AWG           Amount strands (wire)         7           Diameter of single wires         22 AWG           Material conductor wire         Stranded copper wire, bare           Taversing distance (C vack)         5 m           Nominal vallage AC max.         60 V           Current load capacity (istandard)         10 DIN VID 0288-4           Curren	wire arrangement	•
Material jacket         PUR           Shore hardness jacket         90 ± Shore A           Freedom from ingredients (jacket)         12 seaf-free, CFC-free, halogen-free           Outer-dameter (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 tolerance ocre insulation         6 S Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         16 S Shore D           Ingredient freeness wire insulation	Cable weigth	
Shore hardness jacket         90 ± Shore A           Freedom from ingredients (jacket)         lead-free, CFC-Free, halogen-free           Outber-diameter (jacket)         7.4 mm           Tolerance outer diameter (shealth)         ± 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 beforance core insulation         65 %           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         22 AWG           Conductor crosssection (vire)         7           Diameter of single wires         22 AWG           Conductor crosssection (vire)         5 m           Nominal voltage AC max.         60 V           Current load capacity (standard)         10 DIN VDE 0298-4	Material jacket	
Outer-diameter (sizeket)         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 tolerance core insulation         ± 5 %           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Conductor crossessection (wire)         22 AWG           Conductor crossessection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m           Nominal voltage (wire Amazon (Conductor wire)         48 A           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN		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 diameter insulation         1,4 mm           Outer diameter tolerance core 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 crossaection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m           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 0± 15 %           Electrical resistance line constant wire         55 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical papacity line constant (wire - wire)         2 kV @ 60 s           Loop resistance         5000 MΩ x km	Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Material inner jacket         TPE-V           Color (inner jacket)         white           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,4 mm           Outer diameter loterance 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           Conductor wire         Stranded copper wire, bare           Taversing distance (C-track)         5 m           Nominal voltage AC max.         60 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Claracteristic impedance         100 £ 15 %           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity in instand voltage (wire - shield)         2 kV @ 60 s           Loop resistance         5000 MD × km           Min. operating temperature (statc)         40 °C           Oper	Outer-diameter (jacket)	7,4 mm
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         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 Famede copper wire, bare           Traversing distance (C-track)         5 m           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 resistance line constant (wire - wire)         50000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Loop resistance         5000 MΩ x km           Min. operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)	Tolerance outer diameter (sheath)	±5%
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           Traversing distance (C-track)         5 m           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/m @ 20 °C           AC withstand voltage (wire - wire)         2 kW @ 60 s           Electrical capacity line constant (wire - wire)         2 kW @ 60 s           Electrical capacity line constant (wire - wire)         2 kW @ 60 s           AC withstand voltage (wire - shield)         2 kW @ 60 s           Loop resistance         5000 MD × km           Min. operating temperature (static)	Material inner jacket	TPE-V
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           Traversing distance (C-track)         5 m           Nominal voltage AC max.         60 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire vire)         2 kV @ 60 s           Electrical resistance line constant wire         55 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Loop resistance         5000 MΩ × km           Min. operating temperature (static)         40 °C           Max. operat	Color (inner jacket)	white
Outer diameter insulation         1,4 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness 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           Traversing distance (C-track)         5 m           Nominal voltage AC max.         60 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard) <td< td=""><td>Material wire insulation</td><td>PE</td></td<>	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 orssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Taversing distance (C-track)         5 m           Nominal voltage AC max.         60 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)	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 rosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m           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 Ωkm @ 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           Loop resistance         5000 MΩ × km           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -30 °C           Operating temperature max. (dynamic)         70 °C	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           Traversing distance (C-track)         5 m           Nominal voltage AC max.         60 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity win. wire         4,8 A           Characteristic impedance         100 Ω ± 15 %           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         50000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Loop resistance         5000 MΩ × km           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -30 °C           Operating temperature (min. (dynamic)         70 °C           Flame resistance         UL 1581 § 1100 FT2   EC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Gasoline resistance         DIN EN 60811-	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           Traversing distance (C-track)         5 m           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 Ωkm @ 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           AC withstand voltage (wire - shield)         2 kV @ 60 s           Loop resistance         5000 MΩ x km           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 </td <td>Shore hardness wire insulation</td> <td></td>	Shore hardness wire insulation	
Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m           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)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Loop resistance         5000 MΩ × km           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         Good, application-related testing           Gasoline resistance         Good, application-related testing	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m           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 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)         50000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Loop resistance         5000 MΩ × km           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         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         <	Amount strands (wire)	7
Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m           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 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)         50000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Loop resistance         5000 MΩ × km           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         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         <	Diameter of single wires	22 AWG
Traversing distance (C-track)       5 m         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 $55 \Omega \text{km} \otimes 20 \text{ °C}$ AC withstand voltage (wire - wire) $2 \text{ kV} \otimes 60 \text{ s}$ Electrical capacity line constant (wire - wire) $50000 \text{ pF/km}$ Power frequency withstand voltage (wire - shield) $2 \text{ kV} \otimes 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \otimes 60 \text{ s}$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$ Min. operating temperature (static) $40 \text{ °C}$ Max. operating temperature (fixed) $80 \text{ °C}$ Operating temperature min. (dynamic) $-30 \text{ °C}$ Operating temperature max. (dynamic) $70 \text{ °C}$ Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$		22 AWG
Traversing distance (C-track)       5 m         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 $55 \Omega \text{km} \otimes 20 \text{ °C}$ AC withstand voltage (wire - wire) $2 \text{ kV} \otimes 60 \text{ s}$ Electrical capacity line constant (wire - wire) $50000 \text{ pF/km}$ Power frequency withstand voltage (wire - shield) $2 \text{ kV} \otimes 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \otimes 60 \text{ s}$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$ Min. operating temperature (static) $40 \text{ °C}$ Max. operating temperature (fixed) $80 \text{ °C}$ Operating temperature min. (dynamic) $-30 \text{ °C}$ Operating temperature max. (dynamic) $70 \text{ °C}$ Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$	Material conductor wire	Stranded copper wire, bare
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) $50000  \text{pF/km}$ Power frequency withstand voltage (wire - shield) $2 \text{ kV} \otimes 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} \otimes 60 \text{ s}$ Loop resistance $5000  \text{M}\Omega \times \text{km}$ 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  \$  1100  \text{FT2}                    $	Traversing distance (C-track)	
Current load capacity min. wire $4.8 \text{ A}$ Characteristic impedance $100 \Omega \pm 15 \%$ Electrical resistance line constant wire $55 \Omega$ /km @ $20 \degree$ C  AC withstand voltage (wire - wire) $2 \text{ kV @ 60 s}$ Electrical capacity line constant (wire - wire) $50000 \text{ pF/km}$ Power frequency withstand voltage (wire - iacket) $2 \text{ kV @ 60 s}$ AC withstand voltage (wire - shield) $2 \text{ kV @ 60 s}$ Loop resistance $5000 \text{ M}\Omega \times \text{km}$ Min. operating temperature (static) $40 \degree$ C  Max. operating temperature (fixed) $80 \degree$ C  Operating temperature min. (dynamic) $30 \degree$ C  Operating temperature max. (dynamic) $70 \degree$ C  Flame resistance $9000 \text{ UL } 1581 \$ 1100 \text{ FT2}   \text{ IEC } 60332-2-2   \text{ UL } 1581 \$ 1090$ chemical resistance $9000 \text{ Good}$ , application-related testing}  Gasoline resistance $9000 \text{ DIN } \text{ EN } 60811-404   \text{ Good}$ , application-related testing}  Bending radius (fixed) $5 \times \text{ Outer diameter}$ Bending radius (dynamic) $12 \times \text{ Outer diameter}$	Nominal voltage AC max.	60 V
Characteristic impedance $100 \Omega \pm 15 \%$ Electrical resistance line constant wire $55 \Omega / km @ 20 ° C$ 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) $2 kV @ 60 s$ Loop resistance $5000 M\Omega \times km$ 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 $UL 1581 \S 1100 FT2   IEC 60332-2-2   UL 1581 \S 1090$ chemical resistance $Good$ , application-related testing  Gasoline resistance $DIN EN 60811-404   Good$ , application-related testing  Bending radius (fixed) $5 \times Outer$ diameter	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 - jacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Loop resistance 5000 MΩ × km  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 × Outer diameter  Bending radius (dynamic) 12 × 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 - iacket)  AC withstand voltage (wire - shield)  Loop resistance  5000 MΩ × km  Min. operating temperature (static)  Ac withstand voltage (wire - shield)  Ac withstand voltage (wire - shield)  Loop resistance  5000 MΩ × km  Min. 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  Good, application-related testing  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter	Characteristic impedance	100 Ω ± 15 %
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  Loop resistance 5000 MΩ × km  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 × Outer diameter  Bending radius (dynamic) 12 × Outer diameter	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         AC withstand voltage (wire - shield)       2 kV @ 60 s         Loop resistance       5000 MΩ × km         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       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 × Outer diameter         Bending radius (dynamic)       12 x Outer diameter	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield)  Loop resistance  5000 MΩ × km  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	Electrical capacity line constant (wire - wire)	50000 pF/km
Loop resistance       5000 MΩ × km         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       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		2 kV @ 60 s
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 § 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
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	Loop resistance	5000 MΩ × km
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)  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 (dynamic) 12 x Outer diameter	Oil resistance	DIN EN 60811-404   Good, application-related testing
	Bending radius (fixed)	5 x Outer diameter
Travel speed (C-track) 2 Mio.	Bending radius (dynamic)	12 x Outer diameter
	Travel speed (C-track)	2 Mio.