

stay connected

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

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 2.4m

Product fulfills requirements according to UN/ECE R118 **Ethernet CAT5** Male straight - male straight RJ45 - RJ45, 4-pole

shielded

Further cable lengths on request.

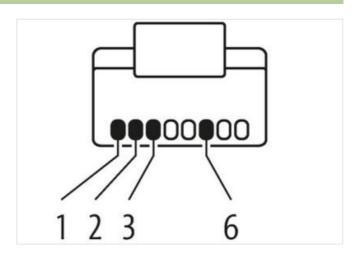
Plastic housings with good resistance against chemicals and oils.

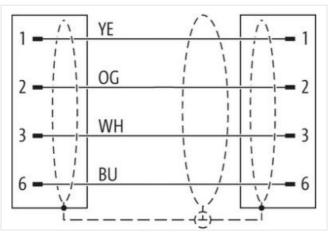
The resistance to aggressive media should be individually tested for your application. Further details on request.

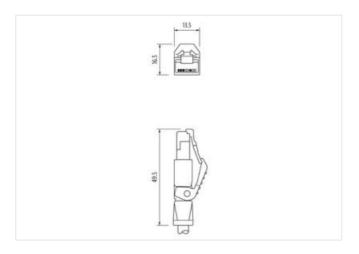
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

2,4 m

Side 1



Mounting method	inserted	
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	4048879749534	
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 funct	Industrial communication   Ethernet functionality	
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)	1	
Mechanical data		
Contour for corrugated hose	without	
	Without	
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		
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	
Installation   Cable		
Cable identification	796	
Jacket Color	green	
-		



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Amount stranding         1           Skranding         4 wires around Core filter twisted           Cable shelding (type)         copper braid, finned           Cable shelding (coverage)         85 %           Standing         Reson, Foll           Filter         yes           wire arrangement         white, yellow, blue, orange           Cable weigh         69.3 g/m           Material jacket         PUR           Shore A Andreas gacket         69.7 mm           Freedom from in presents (gacket)         69.7 mm           Tolerance outer diameter (gacket)         6.7 mm           Tolerance outer diameter (gacket)         6.7 mm           Tolerance outer diameter (gacket)         4.5 %           Material inner jacket         FRINC           Color (inner jacket)         natur           Material viria insulation         PE           Amount strands in servation in selection         1.4 mm           Outer diameter insulation         1.4 mm           Amount strands (we)         7           Diameter of single wires         22 AWG           Conductor crossection (wive)         22 AWG           Traversing distances C-tracky         5 mile 25 °C           Traversing distances C-tracky         5 mile 2	Type of Certificate	cURus
Stracting 4 wires around Core filter twisted Cabbe shielding (type) copper braid, timed Cabbe shielding (coverage) 85 % Sanding Fleece, Foll Filter yes wire arrangement white, yellow, bue, orange Cabbe weight 93 gm Material jacket PUR Store hardness jacket 89 Shore A Freedom from ingredients (jacket) 15 % Freedom from ingredients (jacket) 15 % Material inner jacket 15 % Material inner jacket 15 % Material inner jacket 17 % Material wire insulation PE Amount wires Amoun	Amount stranding	
Cable shelding (type)         copper braid, finned           Cable shelding (coverage)         65 %           Barding         Fleece, Foll           Filler         yes           wise arrangement         white, yellow, blue, orange           Cable weight         68.3 g/m           Malarinal jacket         PUR           Shore hardness jacket         89 Shore A           Freadom from ingredients (jacket)         60.7 mm           Clouder diameter (jacket)         6.7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FIRNC           Coore (inner jacket)         natur           Material inner jacket         FIRNC           Coore (inner jacket)         natur           Material inner jacket         FIRNC           Coulter diameter insulation         1,4 mm           Outer diameter insulation         1,4 mm           Outer diameter tolerance core insulation         4.5 mm           Ingredient feeness wire insulation         55 bror D           Ingredient feeness wire insulation         85 Shore D           Material complexity wires         22 AWG           Conductor consessed (in (wire)         22 AWG           Material conflictor wire         Stra		·
Cable shielding (coveragio)         85 %           Bandring         Fleece, Fol           Filler         yes           wise arrangement         white, yellow, blue, orange           Cable weight         69.3 gm           Material jazoket         PUR           Stroce hardness jacket         89 Shore A           Freadom from ingredients (jacket)         6,7 mm           Outer-diseaset (jacket)         6,7 mm           Tolerance outset diseaset (jacket)         7,7 mm           Tolerance outset diseaset (jacket)         7,8 mm           Golor (inner jacket)         7,8 mm           Material wire insulation         PE           Amount wires         4           Cuber diseaset insulation         1,5 %           Shore hardness wire insulation         6,5 Shore In International Contractions of Shore International Contraction		
Bandling   Fleece, Foil   Filter   yes   Filtr   yes   Filt   yes   Filtr   yes   Filtr   yes   Filtr   yes   Filtr   yes	= 1.1, 1	
Filler   yes   wire arrangement   white, yellow, blue, orange   Cabbe weight   98.3 gm   Material piacket   PUR		
wire arrangement white, yellow, blue, crange Gable weight 693 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredionts (jacket) Outer-diameter (jacket) 0.1 sea direc, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) Color (inner jacket) Color (inner jacket) Color (inner jacket) Natural inner jacket Color (inner jacket) Color (inner jacket) PE Amount wires 4 Outer diameter insulation PE Outer diameter tolerance core insulation 1.4 mm Outer diameter tolerance core insulation 1.5 % Shore hardness wire insulation 1.6 mm Shore hardness wire insulation 1.6 mm Outer diameter tolerance core insulation 1.7 mm Outer diameter tolerance core insulation 1.8 % Shore hardness wire insulation 1.9 % Shore hardness wire insulation 1.9 % Shore hardness wire insulation 1.0 mm Outer diameter tolerance core insulation 1.0 mgredient freeness wire insulation 1.0 mgredient fr		
Cable weight         69.3 g/m           Mallerial jackott         PUR           Finedom from ingredients (jacket)         lead-free, cadmum-free, CFC-free, halogen-free, silicone-free           Outer-dismeter (jacket)         6.7 mm           Toloranco outer diameter (sheath)         ± 5 %           Matierial inner jacket         FRNC           Coor (men jacket)         natur           Material inner jacket         FRNC           Coor (men jacket)         natur           Material inner jacket         FRNC           Coor (men jacket)         natur           Material inner jacket         FRNC           Outer diameter insulation         ± 6           A         — Charach (sheath)           Shore a braness wise insulation         ± 5 %           Shore a braness wise insulation         ± 5 %           Ingredient freeness wire insulation         ± 6 %           Ingredient freeness wire insulation         ± 8 %           Ingredient freeness wire insulation         ± 8 %           Ingredient freeness wire insulation         ± 8 %		·
Material jacket         PUR           Shore hardness jacket         89 Shore A           Freedout from Ingredents (jacket)         6,7 mm           Outer-diameter (jacket)         5,7 mm           Tolerance outer diameter (sheath)         2,5 %           Material inner jacket         FRNC           Color (ner jacket)         natur           Material wire invalation         PE           Amount wires         4           Outer diameter insulation         45 %           Shore hardness wire insulation         65 Shore D           Ingredient freeness wire insulation         22 AWG           Conductor crossection (wire)         7           Diameter of single wires         22 AWG           Conductor crossection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Travel speed (C-track)         3 mile @ 25 °C           Travel speed (C-track)         3 mile @ 25 °C           Travel speed (C-track)         3 mile @ 25 °C           Towel speed (C-track)         3 mile @ 25 °C <t< td=""><td><u> </u></td><td></td></t<>	<u> </u>	
Shore hardness jacket         89 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, oillicone-free           Outer diameter (jacket)         6,7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         natur           Material vive insulation         PE           Amount wires         4           Outer diameter insulation         1,4 mm           Shore hardness wire insulation         5 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         Jeach free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Conductor crosssection (wire)         22 AWG           Traver sipped (C-track)         5 m @ 25 °C           Traver speed (C-track)         3 M io. @ 25 °C           Traver speed (C-track)         3,3 m's @ 25 °C           Traver speed (C-track)         3,3 m's @ 25 °C           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (in wire wire)         20 C		
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Outer-diameter (jacket)         6,7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket)         FRNC           Color (inner jacket)         natur           Material wire insulation         PE           Material wire insulation         1.4 mm           Outer diameter insulation         1.4 mm           Outer diameter rolerance core insulation         85 Shore D           Shore hardness wire insulation         68 Shore D           Ingredient freeness wire insulation         68 Shore D           Ingredient freeness wire insulation         164 FRee, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         30 Min. @ 25 °C           Traversing distance (C-track)         5 m @ 25 °C           Traversing distance (C-track)         3,3 mis @ 25 °C           Nominal voltage AC max.         300 °V           Current load capacity	·	
Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNG Clor (inner jacket) natur Material wire insulation PE Amount wires 4  Ucuter diameter insulation 1.4 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 1.6 % Shore D Impredient freeness wire insulation 1.4 mm  Diameter of single wires 2.2 kWG  Conductor of single wires 2.2 kWG  Amount stands (wire) 7  Traver is part of creak) 7  Traver is part of creak 1.5 mm 2.5 ° C  Travel speed (C-track) 3.3 mm 2.5 ° C  Travel speed (C-track) 3.0 mm 2.5 ° C  Travel speed (C-tr		<del>-</del>
Material inner jacket         FRNC           Color (ner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore bardness wire insulation         65 Shore D           Ingredient freeness wire insulation         65 Shore D           Ingredient freeness wire insulation         16 Shore D           Ingredient freeness wire insulation         18 Characteristic medience           Conductor wire         3 Mio @ 25 °C           Travel speed (C-track)         3 Mio @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (sin wire)         48 A		
Color (inner jacket)         natur           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 0           Ingredient freeness wire insulation         65 Shore 0           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           Ounductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversight gidstance (C-track)         5 m @ 25 °C           Travel speed (C-track)         3 M in @ 25 °C           Travel speed (C-track)         3.3 m's @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity min. wire         4.8 A           Characteristic impedance         100 N V DE 0298.4           Current load capacity min. wire         4.8 A           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s		
Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1.4 mm           Outer diameter tolerance core insulation         65 Shore D           Shore hardness wire insulation         65 Shore D           Ingredient freeness 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           Traversing distance (C-track)         5 m @ 25 °C           Travel speed (C-track)         3 Mio. @ 25 °C           Travel speed (C-track)         3,3 m/s @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity rim. wire         4,8 A           Current load capacity rim. wire         4,8 A           Current load capacity rim. wire         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 100 MHz           Electrical resistance line constant wire         55 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (vier - wire)         2 kV @ 60 s           Loop resistance         5000 MΩ × km	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 5	Color (inner jacket)	
Outer diameter insulation         1,4 mm           Outer diameter blearance 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 @ 25 °C           Travel speed (C-track)         3 Min. @ 25 °C           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 % @ 100 MHz           Electrical resistance line constant wire         55 Okm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical resistance line constant (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Loop resistance         5000 MC × km           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -60 °C	Material wire insulation	
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 @ 25 °C           Travel speed (C-track)         3 Mio. @ 25 °C           Travel speed (C-track)         3,3 m's @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity standard)         to DIN VDE 0298-4           Current load capacity wire.         4,8 A           Characteristic impedance         100 Ω± 15 % @ 100 MHz           Electrical resistance line constant wire         55 Ω/m @ 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 (fixed)         80 °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, barre           Traversing distance (C-track)         5 m @ 25 °C           Travel speed (C-track)         3 Mio. @ 25 °C           Travel speed (C-track)         3,3 m/s @ 25 °C           Nominal voltage AC max.         300 ∨           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 100 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         50000 pF/km           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Icop resistance         5000 MΩ × km           Min. operating temperature (static)         40 °C           Max. operating temperature min. (dynamic)         30 °C           Operating temperature min. (dynamic)         70 °C           Chair temperature min. (dynamic)         30 °C           Operating temperature min. (dynamic)         30 °C           Operating	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 @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C 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 (wire - wire) 2 kV @ 60 s Electrical resistance line constant wire 55 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity (ine constant (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand volta	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  Traver sing distance (C-track) 5 m @ 25 °C  Travel speed (C-track) 3 Mio. @ 25 °C  Travel speed (C-track) 3.3 m/s @ 25 °C  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 % @ 100 MHz  Electrical resistance line constant wire 55 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Electrical apacity 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) 40 °C  Max. operating temperature (static) 30 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  Bending radius (fixed) 5 × Outer diameter  Bending radius (fixed) 1 × Nio. 25 °C	Shore hardness wire insulation	65 Shore D
Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Travel speed (C-track)         3 Mio. @ 25 °C           Travel speed (C-track)         3,3 m/s @ 25 °C           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 % @ 100 MHz           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 - shied)         2 kV @ 60 s           Loop resistance         5000 MΩ × km           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         30 °C           Operating temperature (min. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good. application-rel	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 @ 25 °C           Travel speed (C-track)         3 Mio. @ 25 °C           Travel speed (C-track)         3 Mio. @ 25 °C           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 % @ 100 MHz           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           Loop resistance         5000 MΩ × km           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 199   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil resistance         DIN EN	Amount strands (wire)	7
Material conductor wire         Stranded copper wire, bare           Travel speed (C-track)         5 m @ 25 °C           Travel speed (C-track)         3 Mio. @ 25 °C           Travel speed (C-track)         3,3 m's @ 25 °C           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 % @ 100 MHz           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           AC withstand voltage (wire - shield)         2 kV @ 60 s           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         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance	Diameter of single wires	22 AWG
Traver sping distance (C-track)         5 m @ 25 °C           Travel speed (C-track)         3 Mio. @ 25 °C           Travel speed (C-track)         3,3 m/s @ 25 °C           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 $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ 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 - spice)         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           Filame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gending radius (fixed)         5 x Outer diameter           Oil resistance         DIN EN 60811-40	Conductor crosssection (wire)	22 AWG
Travel speed (C-track)         3 Mio. @ 25 °C           Travel speed (C-track)         3,3 m/s @ 25 °C           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 % @ 100 MHz           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           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           Good, application related testing         5 × Outer diameter           Bending radius (fixed)         5 × Outer diameter           Bending radius (dynamic)	Material conductor wire	Stranded copper wire, bare
Travel speed (C-track)       3,3 m/s @ 25 °C         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 $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega \text{km} @ 20 ° \text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ 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) $-30 ° \text{C}$ Plame resistance $1 \text{ EC } 60332 \cdot 2 \cdot 2 \text{ J UL } 1581 \$ 100 \text{ J UL } 1581 \$ 1100 \text{ FT2}$ chemical resistance $1 \text{ EC } 60332 \cdot 2 \cdot 2 \text{ J UL } 1581 \$ 100 \text{ J UL } 1581 \$ 100 \text{ FT2}$ Chemical resistance $1 \text{ EC } 60332 \cdot 2 \cdot 2 \text{ J UL } 1581 \$ 100 \text{ J UL } 1581 \$ 100 \text{ FT2}$ Gasoline resistance $1 \text{ EC } 60332 \cdot 2 \cdot 2 \text{ J UL } 1581 \$ 100 \text{ J UL } 1$	Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)       3,3 m/s @ 25 °C         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 $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega \text{km} @ 20 ° \text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ 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) $-30 ° \text{C}$ Plame resistance $1 \text{ EC } 60332 \cdot 2 \cdot 2 \text{ J UL } 1581 \$ 100 \text{ J UL } 1581 \$ 1100 \text{ FT2}$ chemical resistance $1 \text{ EC } 60332 \cdot 2 \cdot 2 \text{ J UL } 1581 \$ 100 \text{ J UL } 1581 \$ 100 \text{ FT2}$ Chemical resistance $1 \text{ EC } 60332 \cdot 2 \cdot 2 \text{ J UL } 1581 \$ 100 \text{ J UL } 1581 \$ 100 \text{ FT2}$ Gasoline resistance $1 \text{ EC } 60332 \cdot 2 \cdot 2 \text{ J UL } 1581 \$ 100 \text{ J UL } 1$		
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 % @ 100 MHz           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           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 (static)         30 °C           Operating temperature min. (dynamic)         -30 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 190   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 x Outer diame		3,3 m/s @ 25 °C
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,8 A         Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} @ 20 ° \text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $50000 \text{ pF/km}$ Power frequency withstand voltage (wire - space) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Loop resistance $5000 \text{ M}\Omega \times \text{ km}$ Min. operating temperature (static) $40 ° \text{C}$ Operating temperature min. (dynamic) $30 ° \text{C}$ Operating temperature max. (dynamic) $70 ° \text{C}$ Flame resistance $10 ° \text{ kC} = 10 ° \text{ km}^2 \text{ km}^2$ Gasoline resistance $10 ° \text{ kC} = 10 ° \text{ km}^2$ Gasoline resistance $10 ° \text{ kC} = 10 ° \text{ km}^2$ Oil resistance $10 ° \text{ kC} = 10 ° \text{ kC}^2$ Oil resistance $10 ° \text{ kC} = 10 ° \text{ kC}^2$ Oil resistance $10 ° \text{ kC} = 10 ° \text{ kC}^2$ Oil resistance $10 ° \text{ kC} = 10 ° \text{ kC}^2$ Oil resistance $10 ° \text{ kC} = 10 ° \text{ kC}^2$ Oil		300 V
Current load capacity min. wire 4,8 A  Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 ^{\circ}\text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $50000 \text{ pF/km}$ Power frequency withstand voltage (wire - jacket) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ 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 $1\text{EC} 60332 \cdot 2 \cdot 2 \cdot  \text{UL} 1581 \$ 1090  \text{UL} 1581 \$ 1100 \text{ FT2}$ chemical resistance $60000 \times 30000 \times 30000 \times 300000 \times 300000000$	Current load capacity (standard)	to DIN VDE 0298-4
Characteristic impedance $100 \Omega \pm 15 \% @ 100  \text{MHz}$ Electrical resistance line constant wire $55  \Omega / \text{km}  @ 20  ^{\circ} \text{C}$ AC withstand voltage (wire - wire) $2  \text{kV}  @ 60  \text{s}$ Electrical capacity line constant (wire - wire) $50000  \text{pF/km}$ Power frequency withstand voltage (wire - gacket) $2  \text{kV}  @ 60  \text{s}$ AC withstand voltage (wire - shield) $2  \text{kV}  @ 60  \text{s}$ 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) $70  ^{\circ}  \text{C}$ Flame resistance $1  \text{EC}  60332 \cdot 2 \cdot 2 \cdot 1  \text{UL}  1581  \S  1090     \text{UL}  1581  \S  1100  \text{FT2}$ chemical resistance $3  \text{Good}  \text{application-related testing}$ Gasoline resistance $3  \text{DIN}  \text{EN}  60811 \cdot 404     \text{Good}  \text{application-related testing}$ Bending radius (fixed) $5  \times  \text{C}$ outer diameter  Bending radius (dynamic) $12  \times  \text{C}$ outer diameter  Bending radius (dynamic) $12  \times  \text{C}$ outer diameter	· · · · · · · · · · · · · · · · · · ·	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) 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 IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 12 × Outer diameter  No. of torsion cycles 1 Mio. 25 °C		100 Ω ± 15 % @ 100 MHz
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 IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  No. of torsion cycles 1 Mio. 25 °C		
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 IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  No. of torsion cycles 1 Mio. 25 °C	AC withstand voltage (wire - wire)	
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       IEC 60332-2-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         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         No. of torsion cycles       1 Mio. 25 °C		
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)  70 °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  No. of torsion cycles  1 Mio. 25 °C	Power frequency withstand voltage (wire - jacket)	•
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 IEC $60332 \cdot 2 \cdot 2 \mid \text{UL } 1581  \S  1090 \mid \text{UL } 1581  \S  1100  \text{FT2}$ chemical resistance Good, application-related testing  Gasoline resistance DIN EN $60811 \cdot 404 \mid \text{Good}$ , application-related testing  Bending radius (fixed) $5 \times \text{Outer diameter}$ Bending radius (dynamic) $12 \times \text{Outer diameter}$ No. of torsion cycles $1 ^{\circ}\text{Mio. } 25 ^{\circ}\text{C}$	AC withstand voltage (wire - shield)	2 kV @ 60 s
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  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  No. of torsion cycles  1 Mio. 25 °C	Loop resistance	
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  No. of torsion cycles  1 Mio. 25 °C		
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2 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 No. of torsion cycles 1 Mio. 25 °C	Max. operating temperature (fixed)	
Operating temperature max. (dynamic)  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  No. of torsion cycles  1 Mio. 25 °C	Operating temperature min. (dynamic)	
Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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  No. of torsion cycles 1 Mio. 25 °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  No. of torsion cycles 1 Mio. 25 °C		
Gasoline resistance Good, application-related testing  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  12 x Outer diameter  No. of torsion cycles  1 Mio. 25 °C		
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 1 Mio. 25 °C	Gasoline resistance	
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 1 Mio. 25 °C	Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter  No. of torsion cycles 1 Mio. 25 °C	Bending radius (fixed)	
No. of torsion cycles 1 Mio. 25 °C	<u> </u>	
	Torsion stress	