

stay connected

RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 2m

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

shielded

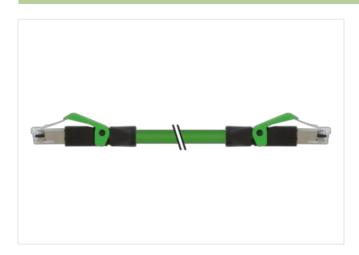
Further cable lengths on request.

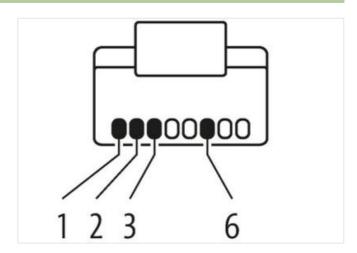
Plastic housings with good resistance against chemicals and oils.

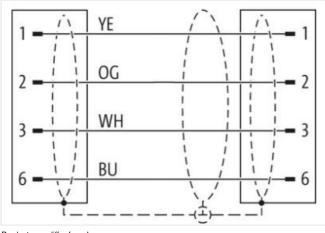
The resistance to aggressive media should be individually tested for your application. Further details on request.

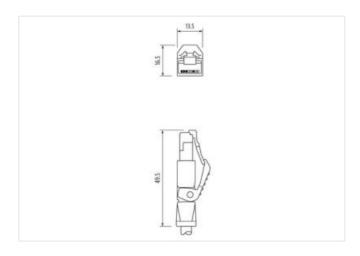
Link to Product

Illustration









Product may differ from Image









Cable length

2 m

Side 1



stay	connect	ed

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	4048879434287
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 fur	octionality
duplex	Full duplex
·	i dii dupiex
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	
Material housing	PUR
Locking material	PA
Mechanical data Mounting data	
	Snap in connector
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	Attention: 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



stay connected

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) 6.7 mm Material inner jacket FRINC Color (inner jacket) natur Material viria insulation 1.8 mm Material viria insulation 1.4 mm Outer diameter insulation 1.4 mm Outer diameter floerance over insulation 4.5 % Amount strands (we) 7 Diameter of single wires 22 AWG Conductor crossection (wive) 2.4 MG Travel speed (C track) 5. mo 25 °C	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 % Conduited or under the 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 wire 2.2 AWG Amount strands (wire) 7 Tild predient freeness wire insulation 1.6 % Shore D Impredient freeness wire insulation 1.6 % Shore Shore D Impredient freeness wire insulation 1.6 % Shore Shore D Impredient freeness wire insulation 1.6 % Shore Shore D Impredie		-
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 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		
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 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 (vire - wire) 2 kV @ 60 s Loop resistance 5000 MΩ x km Min. operating temperature (static) 40 °C	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 Mx × 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 Bending radius (fixed) 5 x Out	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 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 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) 50000pF/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	