

stay connected

RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded vt UL/CSA+drag ch. 0.5m

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

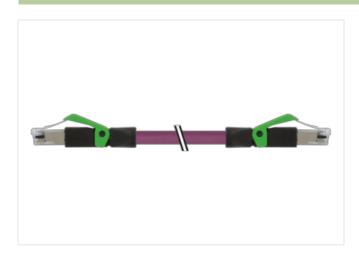
Further cable lengths on request.

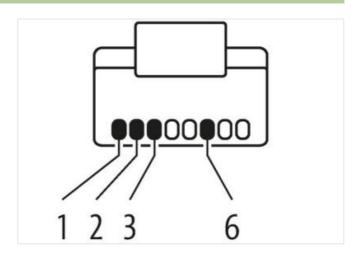
Plastic housings with good resistance against chemicals and oils.

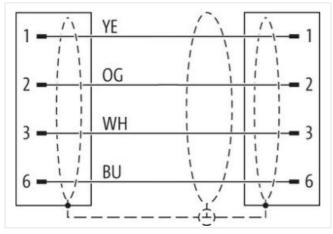
The resistance to aggressive media should be individually tested for your application. Further details on request.

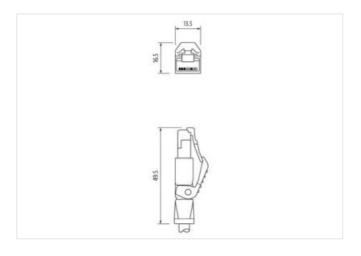
Link to Product

Illustration









Product may differ from Image















Cable length

0,5 m

Side 1

Mounting method in

inserted



stay connected

Family construction form	RJ45
No. of poles	4
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444210
GTIN	4048879478779
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)	1
Mechanical data	
Contour for corrugated hose	without
<u> </u>	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	
•	Destroit the annual to the suitable manager from the shall be destroited to the same of the state of the stat
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.
In stellation Oakla	Character by excessive behaling forces.
Installation Cable	
wire arrangement	white, yellow, blue, orange
Cable identification	798
Jacket Color Type of Certificate	violet cURus



stay connected

Cable shieding (overage) 65 % Cable shieding (overage) 85 % Carbot weight 98.64 g/m Waterial jacket 90.62 % Cable weight 88.64 g/m Waterial jacket PUR Material jacket PUR Katerial jacket 90.67 mm Carbot shiediness jacket 90.67 mm Coluration from ingredients jacket) 88 Shore A Freecom from ingredients jacket) 6.7 mm Coluration outer diameter (jacket) 6.7 mm Coluration outer diameter (jacket) 1.2 % Waterial inner jacket FINIX Color (inner jacket) 7.2 % Waterial inner jacket FINIX Color (inner jacket) 7.2 mm Waterial inner jacket 9.2 % Waterial on jacket 9.2 % Waterial inner	Amount stranding	1
Cable a highling (overage) 85 % Banding Fleece, Foil Filter yes wire arrangement white, yellow, blue, orange Cable weight 65,64 gm Material jacket PUR Shrow hardness jacket PUR Freedom from ingredients (jacket) 6,7 mm Outer-disenteer (jacket) 6,7 mm Tolerance outer disenteer (jacket) 4,7 mm Color (inner jacket) 7 mm Material mire jacket FRNC Color (inner jacket) 7 mm Material mire jacket FRNC Color (inner jacket) 7 mm Material wire insulation 14 mm Outer dismeter insulation 1,4 mm Outer dismeter insulation	Stranding	4 wires around Core filler twisted
Cable a highling (overage) 85 % Banding Fleece, Foil Filter yes wire arrangement white, yellow, blue, orange Cable weight 65,64 gm Material jacket PUR Shrow hardness jacket PUR Freedom from ingredients (jacket) 6,7 mm Outer-disenteer (jacket) 6,7 mm Tolerance outer disenteer (jacket) 4,7 mm Color (inner jacket) 7 mm Material mire jacket FRNC Color (inner jacket) 7 mm Material mire jacket FRNC Color (inner jacket) 7 mm Material wire insulation 14 mm Outer dismeter insulation 1,4 mm Outer dismeter insulation	Cable shielding (type)	copper braid, tinned
West	Cable shielding (coverage)	85 %
write arrangement white, yellow, blue, orange Cable weight BS,64 g/m BS,64 g/m Makerial jacket PUR Shore hardness jacket BS Shore A Freedom from ingredients (jacket) Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Coular-diameter (gacket) Coular-diameter (gacket) Color (imer jacket) Color (imer jacket) Naterial wire insulation PE Advanterial wire insulation PE Advanced wire insulation PE Advanced wire insulation PE Advanced wire insulation PE Advanced wire insulation Annount wires Shore hardness wire insulation Shore D Ingredient freeness wire insulation Annount wires Shore hardness wire insulation Basil Free, CFC-free, halogen-free Annount strands (wire) 7 Diameter of single wires Conductor crosssaction (wire) 22 AWG Conductor crosssaction (wire) 22 AWG Conductor crosssaction (wire) 22 AWG Conductor wire Shared copper wire, bare Wominal voltage AC max. 300 V Current load capacity (standardr) Lo DIN VDE 0288 4 Current load capacity (min. wire AB A Characteristic impedance 100 0 ± 15 % 0 100 MHz Electrical resistance line constant wire SD Alore @ 20 °C AC withstand voltage (wire - wire) AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - wire) AC withstand voltage (wire - wire) Power frequency withstand voltage (wire -	Banding	Fleece, Foil
Cable weigth 68.64 g/m Material jacket PUR All price bardness jacket 89 Shore A Freedom from ingredients (allocket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer draineter (jacket) 5,7 mm Tolerance outer diameter (sheath) ± 5 % Malarial inner jacket FRINC Color (inner jacket) natur Material wire insulation PE Amount wires 4 User diameter tolerance core insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Impedient freeness wire insulation 22 AWG Conductor crosssection (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (sandard) 15 DIN VDE 0288-4 Current load capacity (sandard) 15 DIN VDE 0288-4 Current load capacity (sandard) 15 DIN VDE 0288-4 <	Filler	yes
Material packet PUR Firedom from ingredients (gacket) 89 Shore A Firedom from ingredients (gacket) 6.7 mm Obter-claimeter (gacket) 6.7 mm Inderance outer diameter (sheath) £ 5 % Material inner jacket FRNC Color (inner jacket) natur Material vive insulation PE Anount wires 4 Quiter diameter includation 1,4 mm Shore hardness wire insulation 65 Shore D Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 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 min. wire 4,8 A Characterists incredance 100 Q ± 15 % @ 100 MHz Electrical resistance line constant wire 55 Qikm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Millin operature (s	wire arrangement	white, yellow, blue, orange
Material packet PUR Firedom from ingredients (gacket) 89 Shore A Firedom from ingredients (gacket) 6.7 mm Obter-claimeter (gacket) 6.7 mm Inderance outer diameter (sheath) £ 5 % Material inner jacket FRNC Color (inner jacket) natur Material vive insulation PE Anount wires 4 Quiter diameter includation 1,4 mm Shore hardness wire insulation 65 Shore D Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation 65 Shore D Ingredient freeness wire insulation 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 min. wire 4,8 A Characterists incredance 100 Q ± 15 % @ 100 MHz Electrical resistance line constant wire 55 Qikm @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Millin operature (s	Cable weigth	68,64 g/m
Peredom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Outer dismeter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material vivre insulation PE Annount vivres 4 Outer diameter loterance core 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 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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% 0100 MHz Electrical resistance line constant (wire - wire) 2 KV @ 60 s Electrical resistance wire wire - wire) 2 kV @ 60 s Electrical resistance wire shelled 2 kV @ 60 s Max. operating temperature max. (dynamic) 7	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath) ± 5 % Material inner jacket	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material Inner jacket FRNC Color (inner jacket) natur Almount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation 5 % Shore hardness wire insulation 65 Shore D Under diameter insulation 65 Shore D Ingredient fleeness wire insulation lead-free, CFC-free, halogen-free Macount stands (wire) 7 Diameter of single wires 22 AWG Conductor crossection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0289-4 Current load capacity win. wire 4,8 A Characteristic impedance 100 Q± 15 % @ 100 MHz Electrical resistance line constant (wire - wire) 2 kV @ 60 s Current load capacity wire wires 5 0000 pF/km Power frequency withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity iline constant (wire - wire) 2 kV @ 60 s Mirit. operating temperature (sied) 2 kV @ 60 s Mirit. operating temperature (wire object	Outer-diameter (jacket)	6,7 mm
Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter 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 cross-section (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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 resistance line constant (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (wire wire) 2 kV @ 60 s Min. operating temperature min. (winamic) 30 °C Operating temperature mi	Tolerance outer diameter (sheath)	±5%
Material wire insulation PE Amount wires 4 Amount wires 4 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Impredient freeness wire insulation 65 Shore D Impredient 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A AC withstand voltage (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical assistance 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 Min. operating temper	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1,4 mm Shore hardness wire insulation ± 5 % Shore hardness wire insulation 66 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crossection (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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 D/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s	Color (inner jacket)	natur
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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance 100 Ω ± 15 % @ 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 resistand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Min. operating temperature (static) 40 °C Min. operating temperature min. (dynamic) 70 °C Plame resistance IEC 60332-22 UL 158	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 % Shore Andress wire insulation 66 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 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 Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature max. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C Gasoline resistance Good, applica	Amount wires	4
Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare 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 AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire 55 Ωkm @ 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 Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) 3, m/s @ 25 °C Traversing distance (C-track) 1 Mio.	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 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 voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Dil resistance Din EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic)	Shore hardness wire insulation	65 Shore D
Diameter of single wires 22 AWG	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crossection (wire) 22 AWG Material conductor wire Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity (standard) 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) Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) Power frequency withstand voltage (wire - shield) 4.K W ⊕ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (static) 4.0 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance EC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Coil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 12 × Outer diameter Bending radius (dynamic) 12 × Outer diameter Bending radius (dynamic) 13 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Amount strands (wire)	7
Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{MHz}$ 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) $2 \text{kV} @ 60 \text{s}$ 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) $2 \text{kV} @ 60 \text{s}$ Min. operating temperature (static) $40 ^{\circ} \text{C}$ Max. operating temperature (fixed) $80 ^{\circ} \text{C}$ Operating temperature min. (dynamic) $40 ^{\circ} \text{C}$ Coperating temperature max. (dynamic) $40 ^{\circ} \text{C}$ Flame resistance $40 ^{\circ} \text{C}$ Electrical resistance $40 ^{\circ} \text{C}$ Good, application-related testing Gasoline resistance $40 ^{\circ} \text{C}$ Good, application-related testing Dil resistance $40 ^{\circ} \text{C}$ Bending radius (fixed) $40 ^{\circ} \text{C}$ Elending radius (fixed) $40 ^{\circ} \text{C}$ Traversing distance (C-track) $40 ^{\circ} \text{C}$ Traversing distance (C-track) $40 ^{\circ} \text{C}$ Travel speed (C-track) $40 ^{\circ} \text{C}$ Travel speed (C-track) $40 ^{\circ} \text{C}$	Diameter of single wires	22 AWG
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant wire 50 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 - aiacket) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - aiacket) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -30 °C Operating temperature (idynamic) -30 °C Coperating 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 Good, application-related testing Dil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 12 × Outer diameter Bending radius (dynamic) 12 × Outer diameter No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3, 3 m/s @ 25 °C Travel speed (C-track) 1 Mio.	Conductor crosssection (wire)	22 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω \pm 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 - aicket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s 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 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Material conductor wire	Stranded copper wire, bare
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) 50000pF/km Power frequency withstand voltage (wire - aicekt) $2 \text{kV} @ 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{kV} @ 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{kV} @ 60 \text{s}$ Min. operating temperature (static) $40 ^{\circ} \text{C}$ 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 $10 \text{EC} 60332 2 2 2 1 \text{UL} 1581 \$ 1090 \text{UL} 1581 \$ 1100 \text{FT2}$ chemical resistance $10 \text{Good} \text{application-related testing}$ Oil resistance $10 \text{M} \text{E} \text{Good} \text{application-related testing}$ Oil resistance $10 \text{IN} \text{E} \text{Good} \text{application-related testing}$ Bending radius (fixed) $5 \text{x} \text{Outer diameter}$ Bending radius (fynamic) $12 \text{x} \text{Outer diameter}$ No. of bending cycles (C-track) 3Mio . Traversing distance (C-track) $5 \text{m} \text{@ 25 } ^{\circ} \text{C}$ Travel speed (C-track) 3Mio .	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \% @ 100 MHz$ Electrical resistance line constant wire $55 \Omega / km @ 20 ^{\circ} C$ AC withstand voltage (wire - wire) $2 kV @ 60 s$ Electrical capacity line constant (wire - wire) $50000 pF / km$ Power frequency withstand voltage (wire - aicket) $2 kV @ 60 s$ AC withstand voltage (wire - shield) $2 kV @ 60 s$ AC withstand voltage (wire - shield) $2 kV @ 60 s$ Min. operating temperature (static) $40 ^{\circ} C$ Max. operating temperature (fixed) $80 ^{\circ} C$ Operating temperature min. (dynamic) $70 ^{\circ} C$ Flame resistance $100 kC cC$ Chemical resistance $100 kC cC$ Basoline resistance $100 kC cC$ Oil resistance $100 kC cC$ Bending radius (fixed) $100 kC cC$ Bending radius (dynamic) $100 kC cC$ Traver sing distance (C-track) $100 kC cC$ Travel speed (C-track) $100 kC cC$ Travel speed (C-track) $100 kC cC$ Travel speed (C-track) $100 kC cC$ Traver sing distance (C-track) $100 kC cC$ Travel speed (C-track) $100 kC cC$	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 - acket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Ecodo, application-related testing Gasoline 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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C Travel speed (C-track) 1, Mio.	Current load capacity min. wire	4,8 A
AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - acket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -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 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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C Travel speed (C-track) 1 Mio.	Characteristic impedance	100 Ω ± 15 % @ 100 MHz
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 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 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C Travel speed (C-track) 1 Mio.	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire withstand) AC wolt withstand voltage (wire withstand) AC wolt withstand voltage (withstand) AC wolt withstand voltage (withsta	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield) AC wolt withstand	Electrical capacity line constant (wire - wire)	50000 pF/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 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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static) 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 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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 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 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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Min. operating temperature (static)	-40 °C
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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Max. operating temperature (fixed)	80 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Operating temperature min. (dynamic)	-30 °C
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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	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 No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
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 bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of bending cycles (C-track) Traversing distance (C-track) Travel speed (C-track) 3 Mio. 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	Bending radius (dynamic)	12 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 1 Mio.	No. of bending cycles (C-track)	3 Mio.
No. of torsion cycles 1 Mio.	Traversing distance (C-track)	5 m @ 25 °C
,	Travel speed (C-track)	3,3 m/s @ 25 °C
Torsion stress ± 180 °/m	No. of torsion cycles	1 Mio.
	Torsion stress	± 180 °/m