

RJ45 male 0° / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded vt UL/CSA+drag ch. 35m

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

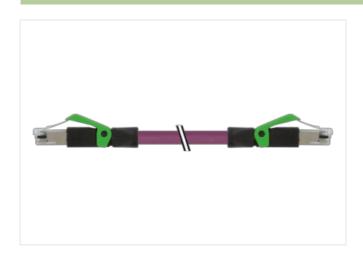
Further cable lengths on request.

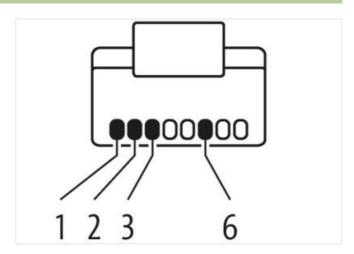
Plastic housings with good resistance against chemicals and oils.

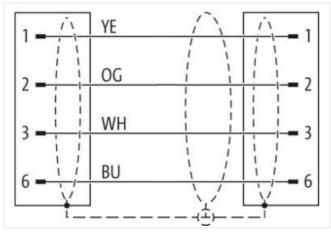
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration









Product may differ from Image















Cable length

35 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	4048879762014
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	2
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
Mechanical data Material data	
·	DUD
Material housing	PUR
Locking material	PA
Mechanical data Mounting data	
Looking techniques	Snap-in connector
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
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	
·	white valley blue grange
wire arrangement	white, yellow, blue, orange
Cable identification Jacket Color	798 violet
Type of Certificate	cURus

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-26



stay connected

Cable shielding (type) copper braid, timed Cable shielding (coverage) 85 % Banding Fleeco, Foll Filler yes wise arrangement white, yellow, blue, orange Cable weigth 68,64 g/m Material picket PUR Store hardness jacket 88 Shore A Freadom from ingredients (glocket) 6.7 mm Colure diameter (glocket) 6.7 mm Tolerance outer diameter (glocket) 6.7 mm Tolerance outer diameter (glocket) 6.7 mm Color (inner jacket) 7 mm Color (inner jacket) 7 mm Material inner jacket FINIC Color (inner jacket) 7 mm Material inner jacket FINIC Outer diameter insulation PE Amount wire insulation 4 Outer diameter insulation 5 5 % Store bardness wire insulation 6 5 Shore D Ingredient feecess wire insulation 6 5 Shore D Ingredient feecess wire insulation 1 8 2 5 % Balmeter of single wires 2 2 AWG <th>Amount stranding</th> <th>1</th>	Amount stranding	1
Cable inhelding (coverage) 85 % Banding Fleece, Foil Filter yes wire arrangement white, yellow, blue, orange Cable weight 88 45 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from legodients (jacket) least-fee, cadmium-free, CFC-free, halogen-free, silicone-free Other-diameter (jacket) 8,7 mm Tolerance user diameter (sheath) 4 9 % Material inner jacket) FRNC Color (inner jacket) 7 mm Color (inner jacket) 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 1,5 mm Outer diameter insulation 1,5 mm Disprecion fromess wire insulation 1,5 mm Outer diameter insulation 1,5 mm Disprecion fromess wire insulation 1,5 mm Disprecion fromess wire insulation 1,5 mm Disprecion of single wire 2,2 AWG Conductor crossescrion (wire) 2,2 AWG Conductor crossescrion (wire) 2,2 AWG Con	Stranding	4 wires around Core filler twisted
Cable inhelding (coverage) 85 % Banding Fleece, Foil Filter yes wire arrangement white, yellow, blue, orange Cable weight 88 45 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from legodients (jacket) least-fee, cadmium-free, CFC-free, halogen-free, silicone-free Other-diameter (jacket) 8,7 mm Tolerance user diameter (sheath) 4 9 % Material inner jacket) FRNC Color (inner jacket) 7 mm Color (inner jacket) 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 1,5 mm Outer diameter insulation 1,5 mm Disprecion fromess wire insulation 1,5 mm Outer diameter insulation 1,5 mm Disprecion fromess wire insulation 1,5 mm Disprecion fromess wire insulation 1,5 mm Disprecion of single wire 2,2 AWG Conductor crossescrion (wire) 2,2 AWG Conductor crossescrion (wire) 2,2 AWG Con	Cable shielding (type)	copper braid, tinned
Filler yes wine arrangement white, yellow, blue, orange	Cable shielding (coverage)	
write arrangement white, yellow, blue, crange Gable weight 68,65 g/m Marterial jacket PUB Shore hardness jacket 98 Shore A Freedom from ingredients (dacket) lead-free, cadmium-free, CFC-free, halogen-free, sillcone-free Outer-diameter (jacket) 5, 7 mm Tolerance outer diameter (sheath) 2.5 % Marterial inner jacket FINIC Color (inner jacket) natur Marterial inner jacket FINIC Color (inner jacket) 1,4 mm Outer diameter insulation 1,5 mm Ingredient Freeness wire insulation 65 Shore D Ingredient Freeness wire insulation 1,5 mm Outer diameter insulation 1	Banding	Fleece, Foil
Cable weight 68,64 g/m Material packet PUR Material packet PUR Freedom from Ingredients [packet] lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Colver-dismeter (jacket) 6,7 mm Tolerance outer diameter (sheath) 1.5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Quiter diameter (sheath) 1.5 % Shore hardness wire insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 1,5 % Shore hardness wire insulation 1,5 % Shore hardness wire insulation 1,2 mm Outer diameter (sheress wire insulation) 1,2 mm User of single wires 22 AWG Conductor or crosssection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage (wire) 22 AWG Material conductor wire Stranded copper wire, bare Current load capacity inner wire 4,8 A	Filler	yes
Material jacket PUR Shore hardness jacket Shore hardness were insulation PE Shore hardness were insulation PE Shore hardness were insulation Sh	wire arrangement	white, yellow, blue, orange
Shore hardness jacket 89 Shore A Freedom from ingredents (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.5 % Material neri jacket FRNC Color (inner jacket) natur Material neri jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter vier insulation 1,4 mm Outer diameter vier insulation 55 Shore D Ingredient freeness wire insulation 16 Shore D Ingredient freeness wire insulation 18 Amount strands (wire) 7 7 Diameter of single wire 22 AWG Conductor or sessection (wire) 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) 10 In VIDE 0298-4 Current load capacity (standard) 10 In VIDE 0298-4 Current load capacity (standard) 10 In VIDE 0298-4 Current load	Cable weigth	68,64 g/m
Freedom from Impredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Outer-diameter (jacket) 6,7 mm Tolerance outer diameter (sheath) ± 5 % Material 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 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 wire. wire 4,8 A Characteristic impedance 100 D. ± 15 % 010 MHz Electrical resistance line constant (wire - wire) 2 kV @ 60 s Electrical capacity ine constant (wire - wire) 2 kV @ 60 s Electrical resistance (wire - whield) 5000 pF/km Power frequency withstand voltage (wire - whield) 2 kV @ 60 s Max. operating temperature max.	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Material wire insulation PE Amount wires 4 Mouter diameter insulation 1.4 mm Outer diameter of single wires 1.4 mm Outer diameter of single wires 1.4 mm Outer of single wires 1.4 mm Outer of single wires 1.4 mm Outer of single wire 1.4 mm Outer of single wires 1.4 mm Outer of single wire 1.4 mm Outer of single	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter folerance 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) 10 DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 100 MHz Electrical resistance line constant (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical repairs lance (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332.2.2 UL. 1581 § 1000	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 blerance core insulation 5 % 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 Nominal voltage AC max. 300 V Current load capacity (standard) 10 INI VIDE 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 - sheld) 2 kV @ 60 s AC withstand voltage (wire - sheld) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) <th< td=""><td>Tolerance outer diameter (sheath)</td><td>± 5 %</td></th<>	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 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 Conductor vires (wire) 22 AWG Conductor vires (wire) 23 AWG Current load capacity (standard) 10 IN VDE 0298-4 Current load capacity (standard) 10 IN VDE 0298-4 Current load capacity (inin, 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 Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 30 °C Operating temperature max. (dynamic)	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1,4 mm Outer diameter tolerance core 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 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 resistance 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	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 Ckm @ 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 Min. operating temperature (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 30 °C Operating temperature max. (dynamic)	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor 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 0 ± 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 Max. operating temperature max. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C Filame resistance Good, app	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 DE 0298-4 Current load capacity (standard) to DIN DE 0298-4 Current load capacity (with 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) 5000 pF/km Power frequency 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 max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gall re	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 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 AC withstand voltage (wire - shield) 30 °C Operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °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 Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 12 × Outer diameter Bending radius (dynamic) 5 × © E°C Travel speed (C-track) 5 × © 25 °C Travel speed (C-track) 5 × © 25 °C Travel speed (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 resistand voltage (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) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good. application-related testing Gli resistance Good. application-related testing Oli resistance DIN EN 60811-404 Good, application-related testing Bending radius	Shore hardness wire insulation	65 Shore D
Diameter of single wires 22 AWG	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
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 (standard) 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 - giacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (max. (dynamic) 70 °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 Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter	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 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 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 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) 5 m @ 25 °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 55 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (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 Bending radius (dynamic) 12 x Outer diameter	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 $\Omega \pm 15\% \otimes 100 \text{MHz}$ Electrical resistance line constant wire 55 Ω /km $\otimes 20\%$ AC withstand voltage (wire - wire) 2 kV $\otimes 60\%$ Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV $\otimes 60\%$ AC withstand voltage (wire - shield) 2 kV $\otimes 60\%$ AC withstand voltage (wire - shield) 2 kV $\otimes 60\%$ Min. operating temperature (static) -40 °C Operating temperature (static) -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-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 Bending radius (dynamic) 5 m $\otimes 2\%$ °C Travel speed (C-track) 5 m $\otimes 2\%$ °C Travel speed (C-track) 3,3 m/s $\otimes 2\%$ °C Travel speed (C-track) 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) 50000 pF/km Power frequency withstand voltage (wire - jacket) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ 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) $40 ^{\circ} \text{C}$ Operating temperature max. (dynamic) $40 ^{\circ} \text{C}$ Flame resistance $40 ^{\circ} \text{C}$ Chemical resistance $40 ^{\circ} \text{C}$ Good, application-related testing $40 ^{\circ} \text{C}$ Oil resistance $40 ^{\circ} \text{C}$ Bending 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) $40 ^{\circ} \text{C}$ To fixe the fixed of th	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \% 0 100 \text{MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} \otimes 20 ^{\circ} \text{C}$ AC withstand voltage (wire - wire) $2 \text{kV} \otimes 60 \text{s}$ Electrical capacity line constant (wire - wire) 50000pF/km Power frequency withstand voltage (wire - jacket) $2 \text{kV} \otimes 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{kV} \otimes 60 \text{s}$ AC withstand voltage (wire - shield) $2 \text{kV} \otimes 60 \text{s}$ Min. operating temperature (static) $40 ^{\circ} \text{C}$ Max. operating temperature (fixed) $80 ^{\circ} \text{C}$ Operating temperature min. (dynamic) $70 ^{\circ} \text{C}$ Flame resistance $1 \text{EC} \cos 332 \cdot 2 \cdot 2 \text{IUL} 1581 \$ 1090 \text{IUL} 1581 \$ 1100 \text{FT2}$ chemical resistance $1 \text{Good, application-related testing}$ Gasoline resistance $1 \text{Good, application-related testing}$ Oil resistance $1 \text{DIN EN } \cos 11.404 \text{I Good, application-related testing}$ Bending radius (fixed) $5 \text{x} \text{Outer diameter}$ Bending radius (dynamic) $12 \text{x} \text{Outer diameter}$ No. of bending cycles (C-track) 3Mio. Traversing distance (C-track) $3 \text{mio.} \text{S} \text{C}$ Travel speed (C-track) $3.3 \text{mio.} \text{C}$ Travel speed (C-track) $3.3 \text{mio.} \text{C}$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 55 \(\Omega \) kV \(\emptyre \) 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - gaket) 2 kV \(\emptyre \) 60 s AC withstand voltage (wire - shield) 2 kV \(\emptyre \) 60 s AC withstand voltage (wire - shield) 2 kV \(\emptyre \) 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 Eco 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 No. of bending cycles (C-track) 3 Mio. Traversing distance (C-track) 5 m \(\emptyre \) 25 °C Travel speed (C-track) 3, 3 m/s \(\emptyre \) 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 - 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 No. of torsion cycles 1 Mio.	Characteristic impedance	100 Ω ± 15 % @ 100 MHz
Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (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.	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (withstand voltag	AC withstand voltage (wire - wire)	2 kV @ 60 s
Jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) AC o°C Max. operating temperature (static) AC o°C Max. operating temperature (fixed) BO °C Operating temperature min. (dynamic) AC o°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 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.	Electrical capacity line constant (wire - wire)	50000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) 80 °C Operating temperature min. (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.	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (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 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) 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)	0° ℃
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) 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.	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
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
No. of torsion cycles 1 Mio.	Travel speed (C-track)	3,3 m/s @ 25 °C
Torsion stress ± 180 °/m	No. of torsion cycles	1 Mio.
	Torsion stress	± 180 °/m