

RJ45 male 0° / RJ45 male 0° shielded

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 2.5m

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

Further cable lengths on request.

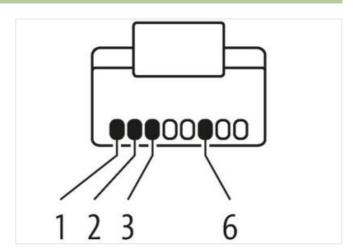
Plastic housings with good resistance against chemicals and oils.

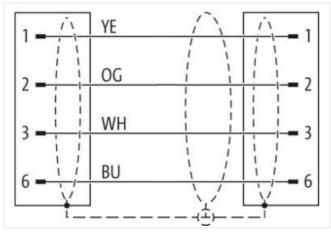
The resistance to aggressive media should be individually tested for your application. Further details on request.

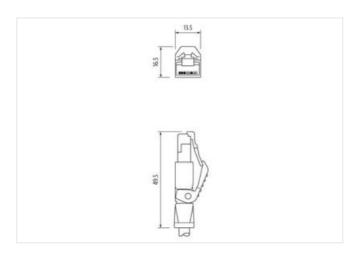
Link to Product

Illustration









Product may differ from Image















Cable length

2,5 m

Side 1

Mounting method

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	4048879689588
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	
•	Destruction and the second of
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.
Installation Col-	Character by excessive behaling forces.
Installation Cable	
wire arrangement	yellow, blue, orange, white
	900
Cable identification	800
Cable identification Jacket Color Type of Certificate	green 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: 2024-06-22



stay connected

Cable shielding (coverage) 55 % Banding Filler yes wire arrangement yellow, blue, orange, white Cable weight 73.7 pm Malerial jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead free, CFC-free Outer-diameter (jacket) 5.6 mm Tolarance outer familianter (sheath) 2 5 % Malerial jacket FNRC Color (inner jacket) 1.5 % Malerial inner jacket FRNC Color (inner jacket) 7.3 mm Malerial wire insulation FE Amount wires 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Amount stranding	1
Searching Sea	Stranding	4 wires around Filler star-shaped twisted
Foil Filler	Cable shielding (type)	copper braid, tinned
Filler yes wire arrangement yellow, blue, orange, white Cable weight 73.7 g/m Material jacket PVC Shore hardness jacket 85.5 Shore A Freedom from lingredients (jacket) lead-free, CFC-free Outer diameter (jacket) 6.8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation	Cable shielding (coverage)	85 %
wire arrangement yellow, blue, orange, while Cable weight 73,7 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, CPC-free Outer diameter (jacket) 6,8 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PEE Amount wires 4 Amount wires 4 Amount wires Outer diameter insulation 1,53 mm Outer diameter of single wires 1,50 ± 5 × 5 Shore D Injury definition of single wires 2,2 AWG Conductor crosssaction (wire) 7 Tolizameter of single wires 2,2 AWG Conductor crosssaction (wire) 1,52 km G Material conductor wire 1,50 km G Current load capacity min. wire 4,8 A Current load capacity min. wire 4,8 A Current load capacity min. wire 4,8 A Current load capacity min. wire 55 km G AC withstand voltage (wire - wire) 2 kW G G S Electrical resistance line constant wire 55 km G AC withstand voltage (wire - wire) 2 kW G G S Min. operating temperature (fixed) 0 % C Operating temperature min. (dynamic) 10 °C Operating temperature (fixed) 0 0 °C Operating tempe	Banding	Foil
Cable weigh 73,7 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, CFC-free Outer diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter folerance core insulation 1,53 mm Outer diameter folerance core insulation 1,5 % Shore bardness wire insulation 1,5 % Ingredient freeness wire insulation 1,5 % Ingredient freeness wire insulation 1,5 % Parameter of single wires 2,2 AWG Material conductor wire 2,2 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity min. wire 4,8 A Characteristic impedance 10 In N VE 2938 4 Current load capacity imin. wire 4,8 A <t< td=""><td>Filler</td><td>yes</td></t<>	Filler	yes
Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 6.6 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter tolerance core insulation 5 5 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 16ad-free, CFC-free, halogen-free Amount strands (wire) 7 Biometer of single wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor crosssection (wire) 30 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 AG withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity inin constant wire 55 Ω/km @ 20 °C AG	wire arrangement	yellow, blue, orange, white
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, CPC-Gree Under diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (Inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter insulation 55 ± 5 Shore D Under diameter insulation 55 ± 5 Shore D Outer diameter insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 25 ± 5 Shore D Ingredient freeness wire insulation 25 ± 8 Shore D Ingredient freeness wire insulation 25 ± 2 Shore D Ingredient freeness wire insulation 25 ± 2 Shore D Ingredient freeness wire insulation 55 ± 8 Shore D Ingredient freeness wire insulation 25 ± 2 Shore D Ingredient freeness wire insulation 25 ± 3 Shore D Ingredient freeness wire insulation 25 ± 3 Shore D Ingredient freeness wire insulatio	Cable weigth	73,7 g/m
Freedom from ingredients (jacket) lead-free, CFC-free Outer-clameter (jacket) 6,6 mm Tolerance under (sheath) ± 5 % Material inner Jacket FRNC Color (inner jacket) natur Material wire insulation PE Armount wires 4 Outer diameter insulation 1,53 mm Outer diameter insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 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 Conductor oressection (wire) 22 AWG Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 2094-4 Current load capacity (sin, wire 4,8 A Characteristic impedance 100 £ 15 % @ 1 MHz Electrical resistance line constant vire 55 CMm @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical resistance (ince presenture (wire) 30 °C <td< td=""><td>Material jacket</td><td>PVC</td></td<>	Material jacket	PVC
Outer-diameter (jacket) 6,6 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Quiter diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 5± 5 Shore D Ingredient freass wire insulation 5± 5 Shore D Ingredient freass wire insulation 1,53 mm Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor crossessetion (wire) 22 AWG Material conductor wire Stranded copper wire, bare Material conductor wire Stranded copper wire, bare Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIA ± 15 % @ 1 MHz Electrical resistance line constant (wire wire) 2 kV @ 60 s Electrical capacity line constant (wire wire) 2 kV @ 60	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material inner jacket FRNC Color (mner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter tolerance core insulation 55 ± 5 Shore D Ingredient freeness wire insulation 1,63 mm Outer diameter tolerance core insulation 55 ± 5 Shore D Ingredient freeness wire insulation 1,63 mm Outer diameter object on the standard of the sta	Freedom from ingredients (jacket)	lead-free, CFC-free
Material inner jacket FRNC Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation ±,5 mm Outer diameter insulation ±,5 mm Shore hardness wire insulation 5,5 ±,5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 7 Diameter of single wires 22 AWG Conductor or single wires 22 AWG Material conductor wire Stranded copper wire, bare Nominal voltage & Cmax. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 1 MHz Electrical reasistance line constant wire 55 C/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacity line constant (wire - wire) 2 kV @ 60 s Electrical presentance (wire - shield) 2 kV @ 60 s Mn. operating temperature (statc) 30 °C Operating temperature (fixed) 80 °C	Outer-diameter (jacket)	6,6 mm
Color (inner jacket) natur Material wire insulation PE Amount wires 4 Outer diameter insulation ± 5 mm Outer diameter betrance core insulation ± 5 % Shore bardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wife) 7 Diameter of single wires 22 AWG Conductor crosssection (wire) 22 AWG Conductor or wire Stranded copper wire, bare Nominal voltage wire 22 AWG Courset load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 Characteristic impedance 100 Ω ± 15 % @ 1 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 Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature (max. (dyn	Tolerance outer diameter (sheath)	± 5 %
Material wire insulation PE Amount wires 4 Outer diameter insulation 1.53 mm Outer diameter bloerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 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 % @ 1 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 (fixed) 30 °C Max. operating temperature (fixed) 80 °C Opera	Material inner jacket	FRNC
Amount wires 4 Outer diameter insulation 1,53 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 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 % @ 1 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 resistance Village (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (istatic) -30 °C Max. operating temperature (istatic) -30 °C Operating temperature (istatic) -60 °C	Color (inner jacket)	natur
Outer diameter insulation 1,53 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 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 (ini. wire 4.8 A Characteristic impedance 100 Ω ± 15 % @ 1 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 (wire-shield) 2 kV @ 60 s Min. operating temperature (siatic) 30 °C Max. operating temperature (siatic) 30 °C Max. operating temperature min. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C <td>Material wire insulation</td> <td>PE</td>	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 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 % @ 1 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 - siackt) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 30 °C Max. operating temperature (static) 30 °C Operating temperature (static) 40 °C Operating temperature (static) 60 °C Operating temperature (static) 60 °C <td>Amount wires</td> <td>4</td>	Amount wires	4
Shore hardness wire insulation 55 ± 5 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 Y Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω± 15 % @ 1 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) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance <td>Outer diameter insulation</td> <td>1,53 mm</td>	Outer diameter insulation	1,53 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) 100 Ω± 15 % @ 1 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 Min. operating temperature (static) 30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Bending radius (fixed) S m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 1 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) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing IDIN EN 60811-404 Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Min. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Shore hardness wire insulation	55 ± 5 Shore D
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 % @ 1 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) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter No. of bending c	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 min. wire 4,8 A Characteristic impedance 100 Ω ± 15 % @ 1 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 - sincket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C	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 $\Omega \pm 15 \% 0 1$ MHz Electrical resistance line constant wire 55 Ω /km Ω 20 °C AC withstand voltage (wire - wire) 2 kV Ω 60 s Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV Ω 60 s AC withstand voltage (wire - shield) 2 kV Ω 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing IDIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter Bending radius (fynamic) 15 × Outer diameter No. of bending cycles (C-track) 5 m Ω 25 °C Traversing distance (C-track) 5 m Ω 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 $\Omega \pm 15$ % @ 1 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 Min. operating temperature (static) 30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Conductor crosssection (wire)	22 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4.8 A Characteristic impedance $100 \Omega \pm 15 \% \Omega$ 1 MHz Electrical resistance line constant wire 55Ω /km @ 20 °C AC withstand voltage (wire - wire) $2 \text{ kV } \otimes 60 \text{ s}$ Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - shield) $2 \text{ kV } \otimes 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV } \otimes 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV } \otimes 60 \text{ s}$ Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) -70 °C Flame resistance $-9000000000000000000000000000000000000$	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 4,8 A Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ 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 - shield) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) 30 °C Max. operating temperature (fixed) 30 °C Operating temperature min. (dynamic) 30 °C Flame resistance 3000 c Chemical resistance 3000 c Good, application-related testing 3000 c Bending radius (fixed) 3000 c Bending radius (fixed) 3000 c S 3000 c Traversing distance (C-track) 3000 c S 30000 c S 30000 c Traversing distance (C-track) 30000 c S 30000 c S 300000 c S $3000000000000000000000000000000000000$	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ 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 - garden) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $-30 ^{\circ} \text{C}$ Max. operating temperature (fixed) $80 ^{\circ} \text{C}$ Operating temperature min. (dynamic) $-10 ^{\circ} \text{C}$ Operating temperature max. (dynamic) $70 ^{\circ} \text{C}$ Flame resistance $000000000000000000000000000000000000$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 55 \(\textit{ D/km} \end{align*} 20 \cdot \text{C} \\ AC withstand voltage (wire - wire) 2 kV \(\text{ 60 s} \) Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - jacket) 2 kV \(\text{ 60 s} \) AC withstand voltage (wire - shield) 2 kV \(\text{ 60 s} \) Min. operating temperature (static) -30 \cdot \text{C} Max. operating temperature (fixed) 80 \cdot \text{C} Operating temperature min. (dynamic) -10 \cdot \text{C} Operating temperature max. (dynamic) 70 \cdot \text{C} Flame resistance UL 1581 \scrights 1090 UL 1581 \scrights 1100 FT2 IEC 60332-2-2 \text{chemical resistance} \text{Good, application-related testing} \text{Ood, application-related testing} \text{Oil resistance} \text{Good, application-related testing} DIN EN 60811-404 \text{Bending radius (fixed)} 5 x Outer diameter \text{Bending radius (dynamic)} 15 x Outer diameter \text{Bending radius (dynamic)} 2 min. 25 \cdot \text{C} Traversing distance (C-track) 5 m \(\text{ 25 \cdot C} \)	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 - jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Characteristic impedance	100 Ω ± 15 % @ 1 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) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Electrical resistance line constant wire	55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (shield) AC withstand voltag	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield) AC withstand voltage (wire withstand voltage (withstand voltage (withs	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 UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -10 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Max. operating temperature (fixed)	0° C
Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Operating temperature min. (dynamic)	-10 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 2 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C	Bending radius (dynamic)	15 x Outer diameter
	No. of bending cycles (C-track)	2 Mio. @ 25 °C
Travel speed (C-track) 3,3 m/s @ 25 °C	Traversing distance (C-track)	5 m @ 25 °C
	Travel speed (C-track)	3,3 m/s @ 25 °C