

## M8 male 90° / M8 male 90° A-cod. shielded

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 1.8m

**Ethernet CAT5** Male 90° - male 90° M8 - M8, 4-pole shielded

Further cable lengths on request.

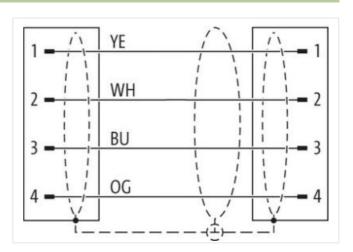
Plastic housings with good resistance against chemicals and oils.

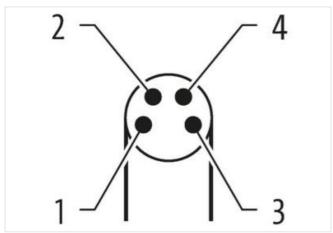
The resistance to aggressive media should be individually tested for your application. Further details on request.

## **Link to Product**

## Illustration









Product may differ from Image







Cable length

1,8 m

Side 1

Tightening torque 0,4 Nm



stay connected	-
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Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Width across flats	SW9
Side 2	
Thread	M8 x 1
Commercial data	
ECLASS-6.0	27279221
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
customs tariff number	85444290
GTIN	4048879877510
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Industrial communication	
	With reference to CATE Class D (ISO/IEC 11901)
Transfer parameters	With reference to CAT5, Class D (ISO/IEC 11801)
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	Nickeled
Material housing	PUR
Locking material	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Comorning	
Product standard	DIN EN 61076-2-114 (M8)



stay connected

Jackel Color Type of Certificate  URus  URus  Amount stranding  1  Stranding  4 wives star-shaped twisted  Cabbe shielding (coverage)  85 %  Banding  Fiber tape, Fleuce, Foll  Filler  yes  wive arrangement  white, orange, blue, yellow  Cable weight  95 4 g/m  Mulerial jacket  Outer-diameter (jacket)  10 yellow  Amount wive insulation  PP  Amount wires  Amount wires  Amount strands (wire)  19  Diameter of single wires  26 AWG  Material conductor wire  Compose of stranded wire, timed  Nominal voltage AC max.  30 0 V  Current load capacity (slandard)  Current load capacity (slandard)  Follows, orange, blue, yellow  24 AC  Current load capacity (slandard)  Current load capacity (slandard)  Current load capacity (slandard)  AC withstand voltage (wire - shield)  AC with tand voltage (wire - shield)  AC with tand voltage (w	wire arrangement	white, orange, blue, yellow
Type of Certificate	Cable identification	791
Amount stranding 1 Stranding 4 wires star-shaped twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 % Banding Fiber lape, Fleece, Foil  Filter yes  wire arrangement white, orange, blue, yellow  Cable weight 59.4 g/m  Material jacket PUR  Freedom from Ingredients (jacket) 4,9 mm  Tolerance outer diameter (sheath) 1 5 %  Material wire insulation PP  Material wire insulation PP  Amount wire insulation 1,04 mm  Outer diameter (sheath) 1 5 %  Material wire insulation 1,04 mm  Outer diameter (sheath) 1 5 %  Material wire insulation 1,04 mm  Outer diameter (sheath) 2 6 AWG  Conductor crosssection (wire) 26 AWG  Conductor crosssection (wire) 26 AWG  Conductor crosssection (wire) 26 AWG  Communication (wire) 27 AWG  Current load capacity (standard) 10 Dit 15 % (9 100 MHz  Electrical resistance line constant wire 100 Ω± 15 % (9 100 MHz  Electrical resistance line constant wire 100 Ω± 15 % (9 100 MHz  Electrical resistance line constant wire 100 Ω± 15 % (9 100 MHz  Electrical president remember (static) 40 °C  Coperating temperature (textic) 40 °C  Coperating temperature (static) 40 °C  Coperating temperature min. (dynamic) 70 °C  Flemen crossistance (Good, application-related testing  Casoline resistance Dit NE Kooleri (Flemen Feedom Proportion F	Jacket Color	green
Stranding	Type of Certificate	cURus
Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Banding         Fiber tape, Fleece, Foil           Filler         yes           wire arrangement         white, orange, blue, yellow           Cable weight         59 4 9/m           Material jacket         PUR           Freedom from ingredients (jacket)         4.9 mm           Outer-diameter (jacket)         4.9 mm           Tolerance outer diameter (jacket)         4.9 mm           Material wire insulation         PP           Anount wires         4           Auter dameter insulation         1.04 mm           Unter diameter foreance ore insulation         lead-free, CFC-free, halogen-free           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         26 AWG           Conductor were         copper stranded wire, tinned           Nominal voltage wires         26 AWG           Current load capacity finis, wire         2,4 A           Current load capacity min, wire         2,4 A           AC withstand voltage (wire - shield)         0,7 kV @ 60 s	Amount stranding	1
Cable shielding (coverage)         85 %           Banding         Fiber tape, Fleece, Foil           Filler         yes           wire arrangement         white, orange, blue, yellow           Cable weigh         59.4 g/m           Malerial Jacket         PUR           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4.9 mm           Toflerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1.04 mm           Outer diameter insulation         1.04 mm           Outer diameter rolerance core insulation         ± 5 %           Ingredient freeness wire insulation         1.04 mm           Outer diameter of single wires         26 AWG           Conductor crosssection (wire)         28 AWG           Material conductor wire         26 AWG           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE (298-4           Current load capacity (min. wire)         2.4 A           Characteristic impedance         100 Ω±15 % @ 100 MHz           Electric resistance line constant wire         140 Ω/km	Stranding	4 wires star-shaped twisted
Banding         Fiber tape, Fleece, Foil           Filler         yes           Filler         yes           Write arrangement         white, orange, blue, yellow           Cable weigth         59.4 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter (sheath)         ± 5 %           Material wire insulation         1,04 mm           Outer diameter (olerance core insulation)         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Ingredient freeness wire insulation         10.4 mm           Unter diameter (olerance core insulation)         ± 5 %           Ingredient freeness wire insulation         10.4 mm           Unter diameter (olerance core insulation)         ± 5 %           Ingredient freeness wire insulation         10.0 mm           Unter diameter (olerance core insulation)         10.0 mm           Unter diameter (olerance core insulation)         10.0 mm           Conductor or single wi	Cable shielding (type)	copper braid, tinned
Banding         Fiber tape, Fleece, Foil           Filler         yes           Filler         yes           Write arrangement         white, orange, blue, yellow           Cable weigth         59.4 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter (sheath)         ± 5 %           Material wire insulation         1,04 mm           Outer diameter (olerance core insulation)         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Ingredient freeness wire insulation         10.4 mm           Unter diameter (olerance core insulation)         ± 5 %           Ingredient freeness wire insulation         10.4 mm           Unter diameter (olerance core insulation)         ± 5 %           Ingredient freeness wire insulation         10.0 mm           Unter diameter (olerance core insulation)         10.0 mm           Unter diameter (olerance core insulation)         10.0 mm           Conductor or single wi	Cable shielding (coverage)	85 %
write arrangement         white, orange, blue, yellow           Cable weight         59,4 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter lolerance core insulation         1,04 mm           Under diameter tolerance core insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of Ising lew wires         26 AWG           Conductor crosssection (wire)         26 AWG           Conductor crosssection (wire)         26 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN EX @ 100 MHz           Electric capacitance         100	Banding	Fiber tape, Fleece, Foil
Cable weight         59,4 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter blerance core insulation         1,04 mm           Outer diameter blerance core insulation         ± 5 %           Ingredient freeness wire insulation         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         26 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2,4 A           Characteristic impedance         100 Ω± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Q/km           AC withstand voltage (wire - wire)         15 000 pF/km           Power frequency wilfhstand voltage (wire - shield)         0,7 kV @ 60 s	Filler	yes
Material jacket   PUR   Isaa-free, CFC-free, halogen-free   Isa	wire arrangement	white, orange, blue, yellow
Freedom from ingredients (jacket)         lead-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         28 AWG           Material conductor wire         copper stranded wire, finned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2,4 A           Characteristic impedance         100 Ω ± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Ωkm           AC withstand voltage (wire - wire)         0,7 kV @ 60 s           Electric capacitance         51000 pF/km           Power frequency withstand voltage (wire - shield)         0,7 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (with	Cable weigth	59,4 g/m
Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter Insulation         1,04 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Amount strands (wire)         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         26 AWG           Conductor wire         copper stranded wire, tinned           Nominal voltage AC max         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2,4 A           Characteristic impedance         100 Ω± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Ω/km           AC withstand voltage (wire - wire)         0,7 kV @ 60 s           Electric capacitance         51000 pF/km           Power frequency withstand voltage (wire - shield)         0,7 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature (sked)         80 °C           Operatin	Material jacket	PUR
Outer-diameter (jacket)         4,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter Insulation         1,04 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Amount strands (wire)         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         26 AWG           Conductor wire         copper stranded wire, tinned           Nominal voltage AC max         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2,4 A           Characteristic impedance         100 Ω± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Ω/km           AC withstand voltage (wire - wire)         0,7 kV @ 60 s           Electric capacitance         51000 pF/km           Power frequency withstand voltage (wire - shield)         0,7 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature (sked)         80 °C           Operatin	Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,04 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         26 AWG           Material conductor wire         copper stranded wire, tinned           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         2,4 A           Characteristic impedance         100 Ω ± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Ω/km           AC withstand voltage (wire - wire)         0,7 kV @ 60 s           Electric capacitance         51000 pFi/km           Power frequency withstand voltage (wire - shield)         0,7 kV @ 60 s           Mn. operating temperature (static)         40 °C           Max. operating temperature min. (dynamic)         30 °C           Operating temperature min. (dynamic)         70 °C           Chamic temperature ma	Outer-diameter (jacket)	
Amount wires         4           Outer diameter insulation         1,04 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         28 AWG           Material conductor wire         copper stranded wire, finned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2,4 A           Characteristic impedance         100 0± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Ω/km           AC withstand voltage (wire - wire)         0.7 kV @ 60 s           Electric capacitance         51000 pF/km           Power frequency withstand voltage (wire - shield)         0.7 kV @ 60 s           AG withstand voltage (wire - shield)         0.7 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -30 °C           Operating temperature min. (dynamic)         -30 °C           Flame resist	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation         1,04 mm           Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         26 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2,4 A           Characteristic impedance         100 Ω ± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Q/km           AC withstand voltage (wire - wire)         0,7 kV @ 60 s           Electric capacitance         51000 pF/km           Power frequency withstand voltage (wire - shield)         0,7 kV @ 60 s           AC withstand voltage (wire - shield)         0,7 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -30 °C           Operating temperature min. (dynamic)         -30 °C           Plame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testin	Material wire insulation	PP
Outer diameter tolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         26 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2.4 A           Characteristic impedance         100 Ω ± 15 % Ø 100 MHz           Electrical resistance line constant wire         140 Ω/km           AC withstand voltage (wire - wire)         0,7 kV Ø 60 s           Electric capacitance         51000 pF/km           Power frequency withstand voltage (wire - shield)         0,7 kV Ø 60 s           AC withstand voltage (wire - shield)         0,7 kV Ø 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature min. (dynamic)         30 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090           chemical resistance         Goo	Amount wires	4
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free  Amount strands (wire) 19  Diameter of single wires 26 AWG  Conductor crosssection (wire) 26 AWG  Material conductor wire copper stranded wire, tinned  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 2,4 A  Characteristic impedance 100 Ω ± 15 % @ 100 MHz  Electrical resistance line constant wire 140 Ω/km  AC withstand voltage (wire - wire) 0,7 kV @ 60 s  Electric capacitance 51000 pF/km  Power frequency withstand voltage (wire - shield) 0,7 kV @ 60 s  AC withstand voltage (wire - shield) 0,7 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 DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 7, 5 × Outer diameter  Traversing distance (C-track) 5 m	Outer diameter insulation	1,04 mm
Amount strands (wire)         19           Diameter of single wires         26 AWG           Conductor crosssection (wire)         26 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2,4 A           Characteristic impedance         100 Ω± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Ω/km           AC withstand voltage (wire - wire)         0,7 kV @ 60 s           Electric capacitance         51000 pF/km           Power frequency withstand voltage (wire - shield)         0,7 kV @ 60 s           AC withstand voltage (wire - shield)         0,7 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         7,	Outer diameter tolerance core insulation	±5%
Diameter of single wires         26 AWG           Conductor crosssection (wire)         26 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2,4 A           Characteristic impedance         100 Ω ± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Q/km           AC withstand voltage (wire - wire)         0,7 kV @ 60 s           Electrica capacitance         51000 pF/km           Power frequency withstand voltage (wire - shield)         0,7 kV @ 60 s           AC withstand voltage (wire - shield)         0,7 kV @ 60 s           Max. 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           Oil resistance         DIN EN 60811-404 [Good, application-related testing           Oil resistance         DIN EN 60811-404 [Good, application-related testing           Bending radius (	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire)         26 AWG           Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2,4 A           Characteristic impedance         100 Ω ± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Ω/km           AC withstand voltage (wire - wire)         0,7 kV @ 60 s           Electric capacitance         51000 pF/km           Power frequency withstand voltage (wire - jacket)         0,7 kV @ 60 s           AC withstand voltage (wire - shield)         0,7 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature min. (dynamic)         -30 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         7,5 x Outer diameter	Amount strands (wire)	19
Material conductor wire         copper stranded wire, tinned           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2,4 A           Characteristic impedance         100 Ω ± 15 % @ 100 MHz           Electrical resistance line constant wire         140 Ω/km           AC withstand voltage (wire - wire)         0,7 kV @ 60 s           Electric capacitance         51000 pF/km           Power frequency withstand voltage (wire - shield)         0,7 kV @ 60 s           AC withstand voltage (wire - shield)         0,7 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 § 1100 FT2   UL 1581 § 1090           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)         7,5 x Outer diameter           Bending radius (dynamic)         12,5 x Outer diameter	Diameter of single wires	26 AWG
Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 2,4 A  Characteristic impedance $100 \Omega \pm 15 \% 0 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega \text{km}$ AC withstand voltage (wire - wire) $0.7 \text{ kV} \otimes 60 \text{ s}$ Electric capacitance $0.7 \text{ kV} \otimes 60 \text{ s}$ Electric capacitance $0.7 \text{ kV} \otimes 60 \text{ s}$ Electric power frequency withstand voltage (wire - shield) $0.7 \text{ kV} \otimes 60 \text{ s}$ AC withstand voltage (wire - shield) $0.7 \text{ kV} \otimes 60 \text{ s}$ Min. operating temperature (static) $0.7 \text{ kV} \otimes 60 \text{ s}$ Min. operating temperature (fixed) $0.7 \text{ kV} \otimes 60 \text{ s}$ Max. operating temperature (fixed) $0.7 \text{ kV} \otimes 60 \text{ s}$ Flame resistance $0.7 \text{ kV} \otimes 60 \text{ s}$ Coperating temperature max. (dynamic) $0.7 \text{ kV} \otimes 60 \text{ s}$ Electric capacitance $0.7 \text{ kV} \otimes 60 \text{ s}$ Coperating temperature max. (dynamic) $0.7 \text{ kV} \otimes 60 \text{ s}$ Bending resistance $0.7 \text{ kV} \otimes 60 \text{ s}$ Good, application-related testing $0.7 \text{ kV} \otimes 60 \text{ s}$ Bending radius (fixed) $0.7 \text{ kV} \otimes 60 \text{ s}$ Bending radius (dynamic) $0.7 \text{ kV} \otimes 60 \text{ s}$	Conductor crosssection (wire)	26 AWG
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 2,4 A  Characteristic impedance 100 $\Omega$ ± 15 % @ 100 MHz  Electrical resistance line constant wire 140 $\Omega$ /km  AC withstand voltage (wire - wire) 0,7 kV @ 60 s  Electric capacitance 51000 pF/km  Power frequency withstand voltage (wire - shield) 0,7 kV @ 60 s  AC withstand voltage (wire - shield) 0,7 kV @ 60 s  Max. 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 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 7,5 x Outer diameter  Traversing distance (C-track) 5 m	Material conductor wire	copper stranded wire, tinned
Current load capacity min. wire 2,4 A  Characteristic impedance $100 \Omega \pm 15 \% @ 100  \text{MHz}$ Electrical resistance line constant wire $140  \Omega / \text{km}$ AC withstand voltage (wire - wire) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitance $51000  \text{pF} / \text{km}$ Power frequency withstand voltage (wire - jacket) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitance $51000  \text{pF} / \text{km}$ Power frequency withstand voltage (wire - jacket) $0.7  \text{kV} @ 60  \text{s}$ AC withstand voltage (wire - shield) $0.7  \text{kV} @ 60  \text{s}$ Min. operating temperature (static) $0.7  \text{kV} @ 60  \text{s}$ Max. operating temperature (fixed) $0.7  \text{kV} @ 60  \text{s}$ Max. operating temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Operating temperature max. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Min. operating temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Max. operating temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric capacitang temperature min. (dynamic) $0.7  \text{kV} @ 60  \text{s}$ Electric cap	Nominal voltage AC max.	300 V
Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $140 \Omega / \text{km}$ AC withstand voltage (wire - wire) $0.7 \text{ kV} @ 60 \text{ s}$ Electric capacitance $51000 \text{ pF/km}$ Power frequency withstand voltage (wire - jacket) $0.7 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $0.7 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $-40 \text{ °C}$ Max. operating temperature (fixed) $80 \text{ °C}$ Operating temperature min. (dynamic) $-30 \text{ °C}$ Operating temperature max. (dynamic) $-30 \text{ °C}$ Operating temperature max. (dynamic) $-70 \text{ °C}$ Flame resistance $-1000 \text{ mg}$ (EC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090 chemical resistance $-1000 \text{ mg}$ (application-related testing) $-1000 \text{ mg}$ (application-related testing) $-1000 \text{ mg}$ (application-related testing) $-1000 \text{ mg}$ (bit media) $-1000 \text{ mg}$ (fixed) $-100$	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire  AC withstand voltage (wire - wire)  O,7 kV @ 60 s  Electric capacitance  Flower frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  O,7 kV @ 60 s  AC withstand voltage (wire - shield)  O,7 kV @ 60 s  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  12,5 x Outer diameter  Traversing distance (C-track)  5 m	Current load capacity min. wire	2,4 A
AC withstand voltage (wire - wire)  0,7 kV @ 60 s  Electric capacitance  51000 pF/km  Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  0,7 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  70 °C  Operating temperature max. (dynamic)  70 °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Gli resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  12,5 x Outer diameter  Traversing distance (C-track)  5 m	Characteristic impedance	100 Ω ± 15 % @ 100 MHz
Electric capacitance 51000 pF/km  Power frequency withstand voltage (wire - jacket) 0,7 kV @ 60 s  AC withstand voltage (wire - shield) 0,7 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 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 12,5 x Outer diameter  Traversing distance (C-track) 5 m	Electrical resistance line constant wire	140 Ω/km
Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  AC withstand voltage (shield)  AC withstand voltage (shie	AC withstand voltage (wire - wire)	0,7 kV @ 60 s
Jacket)  AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  Min. operating temperature (static)  Au °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  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)  7,5 x Outer diameter  Traversing distance (C-track)  5 m	Electric capacitance	51000 pF/km
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  12,5 x Outer diameter  Traversing distance (C-track)  5 m	Power frequency withstand voltage (wire - jacket)	0,7 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Tame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  12,5 x Outer diameter  Traversing distance (C-track)  5 m	AC withstand voltage (wire - shield)	0,7 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 § 1100 FT2   UL 1581 § 1090  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) 7,5 x Outer diameter  Bending radius (dynamic) 12,5 x Outer diameter  Traversing distance (C-track) 5 m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  12,5 x Outer diameter  Traversing distance (C-track)  5 m	Max. operating temperature (fixed)	80 °C
Flame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  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) 7,5 x Outer diameter  Bending radius (dynamic) 12,5 x Outer diameter  Traversing distance (C-track) 5 m	Operating temperature min. (dynamic)	-30 °C
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12,5 x Outer diameter Traversing distance (C-track) 5 m	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) 7,5 x Outer diameter Bending radius (dynamic) 12,5 x Outer diameter Traversing distance (C-track) 5 m	Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 12,5 x Outer diameter  Traversing distance (C-track) 5 m	chemical resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 12,5 x Outer diameter  Traversing distance (C-track) 5 m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12,5 x Outer diameter  Traversing distance (C-track) 5 m	Oil resistance	DIN EN 60811-404   Good, application-related testing
Traversing distance (C-track) 5 m	Bending radius (fixed)	7,5 x Outer diameter
	Bending radius (dynamic)	12,5 x Outer diameter
Travel and (Charle)	Traversing distance (C-track)	5 m
rraver speed (U-track) 3 m/s	Travel speed (C-track)	3 m/s