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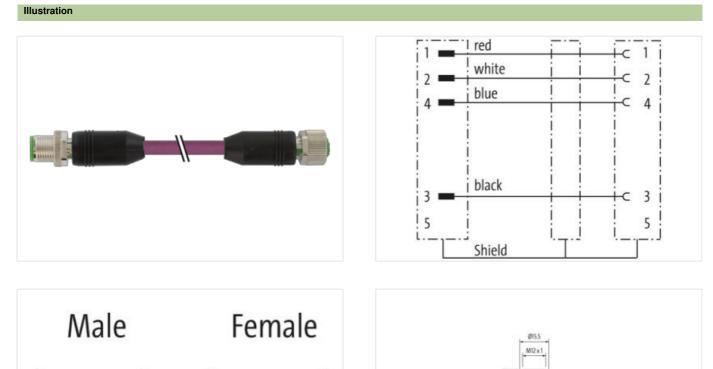
## M12 male $0^\circ$ / M12 female $0^\circ$ B-cod. shielded

PUR AWG24+22 shielded vt UL/CSA+drag ch. 0.2m

Male straight – female straight M12 – M12, 4-pole B-coded shielded with cable sleeves 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. Further cable lengths on request.

## Link to Product

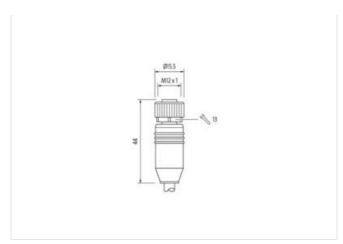
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Product may differ from Image



Cable length	0,2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
No. of poles	4
Width across flats	SW13
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
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	EC001855
customs tariff number	85444290
GTIN	4048879141857
Packaging unit	1
Electrical data   Supply	

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Operating voltage AC max.	60 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
Diagnostics	
-	
Status indication LED	no
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	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
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	
•	Distant the connectors by quitable measures from mechanical lands, a g, by the years of coblection
Note on strain relief	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
Note on bending radius	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
wire arrangement	(white, blue), (black, red)
Cable identification	803
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
Cable weigth	63,12 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE

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Outer dimenter insplation     2.1 mm       Outer dimenter insplation     4.5 %       Stroce hardness wire insulation     64.2 5 Shore D       Ingredient frammess wire insulation     64.4 5 Shore D       Dameter of a single wires     24 AWG       Orander stands (wire)     19       Dameter of a single wires     24 AWG       Orander of a single wires     24 AWG       Orander of a single wires     24 AWG       Dameter of a single wires     0 AWG       Orander of a single wires     0 AWG       Dameter of a single wires     0 AWG       Orander of a single wire insulation (Data)     1 5 mm       Toderances outer diameter or wire insulation (Data)     1 9       Ingredient frames wire insulation (Data)     2 2 AWG       Conductor rowire (Data)     0 DW VE 0028-4       Contractor coassection wire (Data)     0 DW VE 0028-4       Current toad capacity wires (Mata) <th>Amount wires</th> <th>2</th>	Amount wires	2
Shore hardness wire insulation     64 ± 5 Shore D       Ingredient feenetes wire insulation     lead-free, CFC-free, halogen-free       Amount stands (wire)     19       Dameter of single wires     24 AWG       Conductor consection (wire)     22 AWG       Material conductor wire     copper stranded wire, inmed       Exercise functions wire     copper stranded wire, inmed       Exercise functions wire     copper stranded wire, inmed       Code disance wire insulation (Cala)     PE       Odder disance wire insulation (Cala)     45 3 %       Ingrescient feeness wire insulation (Cala)     45 3 %       Ingrescient feeness wire insulation (Cala)     45 3 %       Conclustor consease     22 AWG       Conductor consease     consease       Daneter of single wires (Data)     22 AWG       Conductor consease     consease       Dianater of single wires (Data)     20 WG       Current load capacity min. wire     45 A       Current load capacity min. wire     45 A       Current load capacity min. wire (Data)     50 WF       Dealar activities     inpacities       Exertional function wire (Data)     50 A	Outer diameter insulation	2,1 mm
Ingredient freeness wire insulation     lead-free, CFC-free, halogen-free       Amount strands (kine)     19       Dimater of single wires     24 AWG       Conductor crossection (kine)     24 AWG       Dimater of single wires     Composition (kine)       Dimater of single wires     Data       Marcial Lorenton wire     Data       Marcial Lorenton wire     Data       Data diameter wire insulation (Data)     PE       Outer diameter wire insulation (Data)     LS mm       Tolerance outer diameter wire insulation (Data)     LS mm       Tolerance outer diameter wire insulation (Data)     24 AWG       Amount strands wire (Data)     13       Dimeter of anigle wires (Data)     22 AWG       Conductor crossection wire (Data)     20 AWG       Conductor respective wire (Data)     20 OV       Corrent data capacity (standard)     10 OV VP Co288 4       Current data capacity (standard)     10 OV VP Co288 4       Current data capacity min. Wire (Data)     54 OKm       AC withstand outing (wire - Neigh)     54 OKm       AC withstand outing (wire - Neigh)     54 OKm       Current data capacity min. Wire (Data)	Outer diameter tolerance core insulation	±5%
Amput Francts (vire)     19       Danater of single wires     24 AWG       Concluctor crossection (vire)     22 AWG       Dain wire (cross-section)     22 AWG       Material conductor wire     Optia       Dain wire insulation (Data)     PE       Control dimension wire     Optia       Material conductor wire     Optia       Material conductor wire     Optia       Control dimension wire insulation (Data)     1.5 mm       Tolerance outer dimenter wire insulation (Data)     1.5 mm       Ingredient Freeness wire insulation (Data)     2.8 AWG       Constructor wires (Data)     2       Demeter of single wires (Data)     2.8 AWG       Constructor wires (Data)     2.9 AWG       Constructor wires (Data)     2.9 AWG       Constructor wires (Data)     0.0 ND VDC 2284       Constructor wires (Data)     5.9 A       Current Load capacity min. Wire (Data)     6.4       Electrical function wire (Mata)     7.8 Q km	Shore hardness wire insulation	64 ± 5 Shore D
Dameter of single wires     24 AWG       Conductor crossection (wire)     24 AWG       Data wire (cross-section)     22 AWG       Material conductor wire     Opper standed wire, tinned       Electrical function wire     Data       Material vire insulation (Data)     PE       Outer diameter wire insulation (Data)     1.5 mm       Toleance cuter diameter wire insulation (Data)     1.8 mm       Toleance cuter diameter wire insulation (Data)     1.9       Amount strands wire (Data)     2       Amount strands wire (Data)     2       Amount strands wire (Data)     22 AWG       Conductor crossection wire (Data)     22 AWG       Conductor wire (Data)     22 AWG       Conductor crossection wire (Data)     22 AWG       Conductor crossection wire (Data)     22 AWG       Conductor crossection wire (Data)     20 Comper standed wire, tinned       Electrical function wire (Data)     Power       Current load capacity min. Wire (Data)     AD       Current load capacity min. Wire (Data)     Power       Current load capacity min. Wire (Data)     Power       Current load capacity min. Wire (Data)     Power <td>Ingredient freeness wire insulation</td> <td>lead-free, CFC-free, halogen-free</td>	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Conductor crosssection (wire)     24 ANG       Drain wire (cross-section)     22 AWG       Material conductor wire     Data       Material conductor wire     Data       Material conductor wire insulation (Data)     1,5 mm       Tolerance outer diameter wire insulation (Data)     1,5 mm       Tolerance outer diameter wire insulation (Data)     2       Ingredient freeness wire insulation (Data)     2       Amount wires (Data)     2       Amount wires (Data)     2       Conductor crossection wire (Data)     2       Conductor crossection wire (Data)     22 AWG       Conductor crossection wire (Data)     22 AWG       Conductor crossection wire (Data)     22 AWG       Contract mode capacity min. wire (Data)     22 AWG       Contract mode capacity min. wire (Data)     20 AWG       Current load capacity min. wire (Data)     20 AWG       Current load capacity min. wire (Data)     6 A       Electrical function wire     Data       Electrical resistance line constant wire (Mata)     Power       Characteristic impedance     100 µ 1 MHz       Electrical resistanche coating wire (Data)     24 V @ 60 s <td>Amount strands (wire)</td> <td>19</td>	Amount strands (wire)	19
Drain wire (cross-section)     22 AWG       Material conductor wire     copper stranded wire, tinned       Extericial function wire     Data       Material conductor wire     Data       Outer diamater wire insulation (Data)     PE       Outer diamater wire insulation (Data)     1.5 mm       Tolerance outer diamater wire insulation (Data)     Isa 3 %       Ingredient treeness wire insulation (Data)     Isa 4.7eo, CFC-free, halogen-free       Amount strade wire (Data)     2       Dameter of single wires (Data)     22 AWG       Conductor crossection wire (Data)     copper stranded wire, tinned       Electrical function wire (data)     Power       Nominal voltage AC max.     300 V       Current load capacity (standard)     Dower       Current load capacity min. Wire (Data)     6 A       Electrical function wire (Data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical function wire (Data)     50 A/m       Electrical function wire (Data)     50 A/m       Electrical function wire (Data)     20 Ω ± 10 % @ 10 MHz       Electrical function wire (Data)     20 Ω ± 10 % @ 10 MHz       <	Diameter of single wires	24 AWG
Material conductor wirecopper stranded wire, tinnedElectrical function wireDataMaterial wire autoino (Data)PEOuter diameter wire insulation (Data)1.5 mmTolerance outer diameter wire insulation (Data)1.6 2Amount wires (Data)2Amount strands wire (Data)2.2Amount strands wire (Data)2.2Amount strands wire (Data)2.2Amount strands wire (Data)2.2Conductor crosssection wire (Data)2.2Material conductor wire (Data)2.2Conductor crosssection wire (Data)2.2Conductor crosssection wire (Data)2.2Conductor wire (Data)2.2Conductor wire (Data)2.4Conductor wire (Data)0.000 VCurrent load capacity (standard)0.000 VCurrent load capacity min. wire4.5 ACurrent load capacity min. wire4.5 ACurrent load capacity min. wire0.4 5.4Current load capacity min. wire0.4 1.0 % @ 1.0 % @ 1.0 % @Characteristic impedance120 Q 1.0 % @ 1.0 % @Characteristic impedance120 Q 1.0 % @ 1.0 %Characteristic impedance40.0000 pF/kmAC withstand voltage (wire - wire)2.4 V @ 60 sMin. operating temperature (wire)30 °COperating temperature (wi	Conductor crosssection (wire)	24 AWG
Electrical function wire     Data       Material wire insulation (Data)     PE       Outer diameter wire insulation (data)     ± 53 %.       Ingredient freeness wire insulation (data)     ± 53 %.       Ingredient freeness wire insulation (Data)     lead-free, CFC-free, halogen-free       Amount strands wire (Data)     2       Amount strands wire (Data)     19       Diameter of single wires (Data)     22 AWG       Conductor crosssection wire (Data)     22 AWG       Conductor vice (Data)     copper stranded wire, finned       Electrical function wire (data)     Power       Nominal voitage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. Wire (Data)     6 A       Electrical function wire (data)     Power       Current load capacity min. Wire (Data)     6 A       Electrical resistance constant wire     78 D/km       Electrical resistance constant wire     78 D/km       Electrical resistance constant wire     78 O/km       AC withstand voitage (wire - shield)     24 W @ 60 s       Min. operating trange (wire - shield)     24 V @ 60 s       Min. o	Drain wire (cross-section)	22 AWG
Material wire insulation (Data)     PE       Outer diameter wire insulation (Data)     1.5 mm       Tolerance outer diameter wire insulation (Data)     ± 53 %       Ingredient Teeness wire insulation (Data)     ± 2       Amount Wires (Data)     2       Amount Wires (Data)     2       Amount Stands wire (Data)     22 AWG       Conductor crosssection wire (Data)     22 AWG       Conductor wire (Data)     22 AWG       Conductor wire (Data)     Power       Naminal voltage AC max.     300 V       Current load capacity min. Wire (Data)     6 A       Electrical function wire     Data       Electrical runction wire     Data       Electrical function wire     Data       Electrical runction wire     Data       Characteristic impedance     12	Material conductor wire	copper stranded wire, tinned
Outer diameter wire insulation (Data)     1.5 mm       Tolerance outer diameter wire insulation (Data)     ± 53 %       Ingredient freeness wire insulation (Data)     lead-free, CFC-free, halogen-free       Amount wires (Data)     2       Amount vires (Data)     19       Diameter of single wires (Data)     22 AWG       Conductor crossection wire (Data)     22 AWG       Conductor vires (Data)     22 AWG       Conductor vires (Data)     00 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. Wire (Data)     6 A       Electrical capacita function wire (Data)     Power       Characteristic impedance     120 Q ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Q.km       Ac withstand voltage (wire - sinkel)     24 V @ 60 s       Min. operating temperature (stalc)     400 ° C       Querating temperature (stalc)     20 ° C	Electrical function wire	Data
Tolerance outer diameter wire insulation (data) $\pm$ 53 %     Ingredient freeness wire insulation (Data)   lead-free, CFC-free, halogen-free     Amount stands wire (Data)   19     Dameter of single wires (Data)   22 AWG     Conductor crosssection wire (Data)   coper stranded wire, tinned     Electrical function wire (Data)   coper stranded wire, tinned     Electrical function wire (data)   Power     Nominal voltage AC max.   300 V     Current load capacity stinnatori   6 A     Current load capacity stinnatori   6 A     Electrical function wire (data)   Power     Current load capacity min. wire   4,5 A     Current load capacity min. wire   Data     Electrical function wire (data)   Power     Chrastenstein impedance   120 Ω ± 10 % @ 1 MHz     Electrical resistance coating wire (Data)   5 A     Electrical resistance coating wire (Data)   5 4 Ω/km     Electrical resistance coating wire (Data)   5 A     Electrical resistance   120 Ω ± 10 % @ 1 MHz     Electrical presistance   4,000 PF/km     AC withstand voltage (wire - whield)   2 kV @ 60 s     Electricapacitance   40000 pF/km	Material wire insulation (Data)	PE
Interdent Preness wire insulation (Data)     lead-free, CFC-free, halogen-free       Amount wires (Data)     2       Amount stands wire (Data)     19       Diameter of single wires (Data)     22 AWG       Conductor crossection wire (Data)     22 AWG       Conductor vire (Data)     copper standed wire, tinned       Electrical function wire (Data)     power       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire (Data)     6 A       Electrical function wire     Data       Electrical function wire (data)     Power       Characteristic interpodance     120 Ω ± 10 % @ 1 MHz       Electrical resistance ine constant wire     78 Ω/km       Electrical resistance constant wire     78 Ω/km       Electrical resistance constant wire     78 Ω/km       AC withstand voltage (wire - wire)     2 kV @ 60 s       Min. operature max. (dynamic)     20 °C       Operating temperature (istalic)     -40 °C       Max. operating temperature (istalic)     -40 °C       Mixa. operating temperature max. (dynamic)     -30 °C       Operating temperature max.	Outer diameter wire insulation (Data)	1,5 mm
Amount wires (Data)   2     Amount strands wire (Data)   19     Diameter of single wires (Data)   22 AWG     Conductor crossesciton wire (Data)   22 AWG     Material conductor wire (Data)   copper stranded wire, tinned     Electrical function wire (data)   Power     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0284-4     Current load capacity min. wire   4.5 A     Current load capacity min. Wire (Data)   6 A     Electrical function wire (data)   Power     Characteristic impedance   120 £ ± 10 % @ 1 MHz     Electrical function wire (Data)   54 D/km     AC withstand voltage (wire - wire)   2 kV @ 60 s     Electrical resistance ing wire (Data)   54 D/km     AC withstand voltage (wire - shield)   2 kV @ 60 s     Electrical resistance   40000 pF/km     AC withstand voltage (wire - shield)   2 kV @ 60 s     Ciperating temperature max. (dynamic)   -30 °C     Operating temperature (static)   -40 °C     Max. operating temperature max. (dynamic)   70 °C     Flame resistance   Good, application-related testing     Oil resistanc	Tolerance outer diameter wire insulation (data)	± 53 %
Amount strands wire (Data)   19     Diameter of single wires (Data)   22 AWG     Conductor crosssection wire (Data)   22 AWG     Matrial conductor wire (Data)   copper standed wire, tinned     Electrical function wire (data)   Power     Nominal voltage AC max.   300 V     Current load capacity min. wire   4.5 A     Current load capacity min. wire   4.5 A     Current load capacity min. wire   0.4 S A     Electrical function wire (data)   Power     Characteristic impedance   120 Ω ± 10 % @ 1 MHz     Electrical function wire (data)   Power     Characteristic impedance   120 Ω ± 10 % @ 1 MHz     Electrical resistance line constant wire   78 Ωkm     Electrical resistance coating wire (Data)   54 Q/km     AC withstand voltage (wire - wire)   2 kV @ 60 s     Electrical resistance coating wire (Data)   54 Q/km     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (mix. (dynamic)   -30 °C     Operating temperature (mix. (dynamic)   -30 °C     Operating temperature (mix. (dynamic)   70 °C     Filter resistance   Glocod, application-related testing <td>Ingredient freeness wire insulation (Data)</td> <td>lead-free, CFC-free, halogen-free</td>	Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Diameter of single wires (Data) 22 AWG   Conductor crosssection wire (Data) copper stranded wire, tinned   Electrical function wire (data) Power   Nominal voltage AC max. 300 V   Current load capacity (strandard) to DIN VDE 0298-4   Current load capacity min. wire 4.5 A   Current load capacity min. Wire (Data) 6 A   Electrical function wire (data) Power   Oharacteristic impedance 120.0 ± 10 % @ 1 MHz   Electrical function wire (data) Power   Oharacteristic impedance 120.0 ± 10 % @ 1 MHz   Electrical resistance ine constant wire 78 Ω/km   Electrical resistance ine constant wire 78 Ω/km   Electrical resistance ine constant wire 2 KV @ 60 s   Electrical resistance ine (statc) -40 °C   Max. operating temperature (statc) -40 °C   Max operating temperature (statc) -30 °C   Operating temperature (statc) 70 °C   Flame resistance Good, application-related testing   Gasoline resistance Divert diameter   Bending radius (sinstallation) x Outer diame	Amount wires (Data)	2
Conductor crosssection wire (Data)     22 AWG       Material conductor wire (Data)     copper stranded wire, tinned       Electrical function wire (data)     Power       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 (Data)     6 A       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Ω/km       Electrical resistance coating wire (Data)     54 Ω/km       AC withstand voltage (wire - wire)     2 kV @ 60 s       Min. operating temperature (static)     40 °C       Max. operating temperature (static)     40 °C       Querating temperature (static)     40 °C       Querating temperature (static)     40 °C       Max. operating temperature (static)     40 °C       Querating temperature (static)     40 °C       Gasoline resistance     Good, application-related testing	Amount strands wire (Data)	19
Conductor crosssection wire (Data)     22 AWG       Material conductor wire (Data)     copper stranded wire, tinned       Electrical function wire (data)     Power       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 (Data)     6 A       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Ω/km       Electrical resistance coating wire (Data)     54 Ω/km       AC withstand voltage (wire - wire)     2 kV @ 60 s       Min. operating temperature (static)     40 °C       Max. operating temperature (static)     40 °C       Querating temperature (static)     40 °C       Querating temperature (static)     40 °C       Max. operating temperature (static)     40 °C       Querating temperature (static)     40 °C       Gasoline resistance     Good, application-related testing	Diameter of single wires (Data)	22 AWG
Electrical function wire (data)     Power       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. Wire (Data)     6 A       Electrical function wire (data)     Power       Current load capacity min. Wire (Data)     6 A       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Ω/km       Electrical resistance coating wire (Data)     54 Ω/km       AC withstand voltage (wire - wire)     2 kV @ 60 s       Electrical resistance     40000 pF/km       AC withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (statle)     40 °C       Max. operating temperature (statle)     40 °C       Operating temperature (statle)     30 °C       Operating temperature (statle)     30 °C       Operating temperature (statle)     50 °C       Operating temperature (statle)     60 od, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing		22 AWG
Nominal voltage AC max.300 VCurrent Ioad capacity (standard)to DIN VDE 0298-4Current Ioad capacity min. wire4.5 ACurrent Ioad capacity min. Wire (Data)6 AElectrical function wireDataElectrical function wire (data)PowerCharacteristic impedance120 £ 10 % @ 1 MHzElectrical resistance line constant wire78 Ω/kmElectrical capacity min. Wire (Data)54 Ω/kmAC withstand voltage (wire - wire)2 kV @ 60 sElectric capacitance40000 pF/kmAC withstand voltage (wire - shield)2 kV @ 60 sElectric capacitance40000 pF/kmAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-30 °COperating temperature (static)70 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 60911-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (installation)10 x Outer diameterBending radius (fixed)5 mTravel speed (C-track)5 mTravel speed (C-track)5 mTravel speed (C-track)5 mTravel speed (C-track)5 m/sTravel speed (C-track)5 m/sTravel speed (C-track)5 m/sTravel speed (C-track)5 m/s	Material conductor wire (Data)	copper stranded wire, tinned
Current load capacity min. wire     4.5 A       Current load capacity min. Wire (Data)     6 A       Electrical function wire     Data       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Ω/km       Electrical resistance coating wire (Data)     54 Ω/km       Electrical resistance coating wire (Data)     54 Ω/km       A withstand voltage (wire - wire)     2 kV @ 60 s       Electrical resistance coating wire (Data)     54 Ω/km       A withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Operating temperature (ixed)     80 °C       Operating temperature (ixed)     80 °C       Operating temperature max. (dynamic)     70 °C       Flame resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404 [ Good, application-related testing       Bending radius (installation)     x	Electrical function wire (data)	Power
Current load capacity min. Wire   4,5 A     Current load capacity min. Wire (Data)   6 A     Electrical function wire   Data     Electrical function wire (data)   Power     Characteristic impedance   120 Ω ± 10 % @ 1 MHz     Electrical resistance line constant wire   78 Ω/km     Electrical resistance coating wire (Data)   54 Ω/km     AC withstand voltage (wire - wire)   2 kV @ 60 s     Electric apacitance   40000 pF/km     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -30 °C     Operating temperature min. (dynamic)   -70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2:2   UL 1581 § 1090     chemical resistance   UL 1681 § 1100 FT2   IEC 60332-2:2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   DINE N 60811-404   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (fixed)   6 x Outer diameter     Bending radius (fixed)   6 x Outer diameter	Nominal voltage AC max.	300 V
Current load capacity min. Wire (Data)   6 A     Electrical function wire   Data     Electrical function wire (data)   Power     Characteristic impedance   120 Ω ± 10 % @ 1 MHz     Electrical resistance ine constant wire   78 Ω/km     Electrical resistance coating wire (Data)   54 Ω/km     AC withstand voltage (wire - wire)   2 kV @ 60 s     Electrical resistance coating wire (Data)   64 0000 pF/km     AC withstand voltage (wire - shield)   2 kV @ 60 s     Electrical generature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -30 °C     Operating temperature min. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   EC 6032-2-2   UL 1581 § 1090     Chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oli resistance   DIN EN 6081-404   Good, application-related testing     Oli resistance   DIN EN 6081-404   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (fixed)   6 x Outer diameter     Bending radius (fixed)   5 m  <	Current load capacity (standard)	to DIN VDE 0298-4
Electrical function wire     Data       Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Ω/km       AC withstand voltage (wire - wire)     2 kV @ 60 s       Electric capacitance     40000 pF/km       AC withstand voltage (wire - shield)     2 kV @ 60 s       Electric capacitance     40000 pF/km       AC withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Operating temperature min. (dynamic)     -30 °C       Operating temperature min. (dynamic)     -70 °C       Flame resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (installation)     x Outer diameter       Bending radius (installation)     x Outer diameter       Bending radius (fixed)     6 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       Bending radius (dynamic)     10 x Outer di	Current load capacity min. wire	4,5 A
Electrical function wire (data)     Power       Characteristic impedance     120 Ω ± 10 % @ 1 MHz       Electrical resistance line constant wire     78 Ω/km       Electrical resistance coating wire (Data)     54 Ω/km       AC withstand voltage (wire - wire)     2 kV @ 60 s       Electric capacitance     40000 pF/km       AC withstand voltage (wire - shield)     2 kV @ 60 s       AC withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature max. (dynamic)     -30 °C       Operating temperature max. (dynamic)     70 °C       Flame resistance     UL 1581 § 1100 FT2   IEC 60332-2-2   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       Oil resistance     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (installation)     x Outer diameter       Bending radius (fixed)     6 x Outer dia	Current load capacity min. Wire (Data)	6 A
Characteristic impedance   120 Ω ± 10 % @ 1 MHz     Electrical resistance line constant wire   78 Ω/km     Electrical resistance coating wire (Data)   54 Ω/km     AC withstand voltage (wire - wire)   2 kV @ 60 s     Electric capacitance   40000 pF/km     AC withstand voltage (wire - shield)   2 kV @ 60 s     Electric capacitance   40000 pF/km     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature min. (dynamic)   -30 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   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 (installation)   x Outer diameter     Bending radius (fixed)   6 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Bending radius (dynamic)   5 m     Traversing distance (C-track)   5 m     Travel speed (		
Electrical resistance line constant wire   78 Ω/km     Electrical resistance coating wire (Data)   54 Ω/km     AC withstand voltage (wire - wire)   2 kV @ 60 s     Electric capacitance   40000 pF/km     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature (ixed)   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     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Bending radius (dynamic)   10 N c Outer diameter     Bending radius (dynamic)   10 N c Outer diameter     No. of bending cycles (C-track)   5 m     Traversing distance (C-track)   5 m     Traversing distance (C-track)   5 m     Traversing distance (C-track) <td>Electrical function wire</td> <td>Data</td>	Electrical function wire	Data
Electrical resistance coating wire (Data)   54 Ω/km     AC withstand voltage (wire - wire)   2 kV @ 60 s     Electric capacitance   40000 pF/km     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   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (installation)   x Outer diameter     Bending radius (fixed)   6 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   5 m     Traversing distance (C-track)   5 m     Traversing distance (C-track)   5 m     No. of torsion cycles   2 Mio.		
AC withstand voltage (wire - wire)   2 kV @ 60 s     Electric capacitance   40000 pF/km     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C     Operating temperature max. (dynamic)   -30 °C     Operating temperature max. (dynamic)   70 °C     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   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 (installation)   x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   5 m     Traversing distance (C-track)   5 m     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Electrical function wire (data)	Power
Electric capacitance   40000 pF/km     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   UL 1581 § 1100 FT2   IEC 60332-2-2   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 (installation)   x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   5 m     Traversing distance (C-track)   5 m     Travel speed (C-track)   3 m/s     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Electrical function wire (data) Characteristic impedance	Power 120 Ω ± 10 % @ 1 MHz
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   UL 1581 § 1100 FT2   IEC 60332-2-2   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 (installation)   x Outer diameter     Bending radius (fixed)   6 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   1 Mio.     Traversing distance (C-track)   5 m     Travel speed (C-track)   3 m/s     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Electrical function wire (data) Characteristic impedance Electrical resistance line constant wire	Power 120 Ω ± 10 % @ 1 MHz 78 Ω/km
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data) Characteristic impedance Electrical resistance line constant wire Electrical resistance coating wire (Data)	Power       120 Ω ± 10 % @ 1 MHz       78 Ω/km       54 Ω/km
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data) Characteristic impedance Electrical resistance line constant wire Electrical resistance coating wire (Data) AC withstand voltage (wire - wire)	Power       120 Ω ± 10 % @ 1 MHz       78 Ω/km       54 Ω/km       2 kV @ 60 s
Operating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data) Characteristic impedance Electrical resistance line constant wire Electrical resistance coating wire (Data) AC withstand voltage (wire - wire) Electric capacitance	Power       120 Ω ± 10 % @ 1 MHz       78 Ω/km       54 Ω/km       2 kV @ 60 s       40000 pF/km
Operating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s
Flame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     -40 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data) Characteristic impedance Electrical resistance line constant wire Electrical resistance coating wire (Data) AC withstand voltage (wire - wire) Electric capacitance AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     40 °C     80 °C
Gasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature (fixed)     Operating temperature min. (dynamic)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     -40 °C     80 °C     -30 °C
Oil resistanceDIN EN 60811-404   Good, application-related testingBending radius (installation)× Outer diameterBending radius (fixed)6 × Outer diameterBending radius (dynamic)10 × Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature (fixed)     Operating temperature max. (dynamic)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     -40 °C     80 °C     -30 °C     70 °C
Bending radius (installation)x Outer diameterBending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature (fixed)     Operating temperature max. (dynamic)     Flame resistance	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     -40 °C     80 °C     -30 °C     70 °C     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Bending radius (fixed)6 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature (fixed)     Operating temperature max. (dynamic)     Operating temperature max. (dynamic)     Flame resistance     chemical resistance	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     40 °C     80 °C     -30 °C     70 °C     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     Good, application-related testing
Bending radius (dynamic)10 × Outer diameterNo. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature min. (dynamic)     Operating temperature max. (dynamic)     Flame resistance     chemical resistance     Gasoline resistance	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     -40 °C     80 °C     -30 °C     70 °C     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     Good, application-related testing     Good, application-related testing
No. of bending cycles (C-track)1 Mio.Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature (fixed)     Operating temperature max. (dynamic)     Plame resistance     chemical resistance     Oil resistance	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     -40 °C     80 °C     -30 °C     70 °C     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     Good, application-related testing     Good, application-related testing     DIN EN 60811-404   Good, application-related testing
Traversing distance (C-track)5 mTravel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature (fixed)     Operating temperature max. (dynamic)     Plame resistance     chemical resistance     Gasoline resistance     Oil resistance     Bending radius (installation)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     -40 °C     80 °C     -30 °C     70 °C     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     Good, application-related testing     Good, application-related testing     DIN EN 60811-404   Good, application-related testing     x Outer diameter
Travel speed (C-track)3 m/sNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature min. (dynamic)     Operating temperature max. (dynamic)     Flame resistance     chemical resistance     Oil resistance     Oil resistance     Bending radius (installation)     Bending radius (fixed)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     -40 °C     80 °C     -30 °C     70 °C     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     Good, application-related testing     Good, application-related testing     DIN EN 60811-404   Good, application-related testing     x Outer diameter     6 x Outer diameter
No. of torsion cycles 2 Mio.   Torsion stress ± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature (fixed)     Operating temperature max. (dynamic)     Operating temperature max. (dynamic)     Flame resistance     chemical resistance     Oil resistance     Oil resistance     Bending radius (fixed)     Bending radius (dynamic)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     40 °C     80 °C     -30 °C     70 °C     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     Good, application-related testing     Good, application-related testing     DIN EN 60811-404   Good, application-related testing     x Outer diameter     6 x Outer diameter     10 x Outer diameter
Torsion stress ± 30 °/m	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature (fixed)     Operating temperature min. (dynamic)     Operating temperature max. (dynamic)     Flame resistance     chemical resistance     Gasoline resistance     Oil resistance     Bending radius (installation)     Bending radius (fixed)     Bending radius (dynamic)     No. of bending cycles (C-track)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     40 °C     80 °C     -30 °C     70 °C     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     Good, application-related testing     Good, application-related testing     DIN EN 60811-404   Good, application-related testing     x Outer diameter     10 x Outer diameter     10 x Outer diameter     1 Mio.
	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature (fixed)     Operating temperature max. (dynamic)     Operating temperature max. (dynamic)     Flame resistance     chemical resistance     Gasoline resistance     Oil resistance     Bending radius (installation)     Bending radius (dynamic)     No. of bending cycles (C-track)     Traversing distance (C-track)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     -40 °C     80 °C     -30 °C     70 °C     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     Good, application-related testing     Good, application-related testing     DIN EN 60811-404   Good, application-related testing     x Outer diameter     6 x Outer diameter     10 x Outer diameter     10 x Outer diameter     5 m
Torsion speed 35 cycles/min	Electrical function wire (data)     Characteristic impedance     Electrical resistance line constant wire     Electrical resistance coating wire (Data)     AC withstand voltage (wire - wire)     Electric capacitance     AC withstand voltage (wire - shield)     Min. operating temperature (static)     Max. operating temperature (fixed)     Operating temperature max. (dynamic)     Operating temperature max. (dynamic)     Flame resistance     chemical resistance     Gasoline resistance     Oil resistance     Bending radius (installation)     Bending radius (fixed)     Bending radius (c-track)     Traversing distance (C-track)     Travel speed (C-track)	Power     120 Ω ± 10 % @ 1 MHz     78 Ω/km     54 Ω/km     2 kV @ 60 s     40000 pF/km     2 kV @ 60 s     -40 °C     80 °C     -30 °C     70 °C     UL 1581 § 1100 FT2   IEC 6032:2:2   UL 1581 § 1090     Good, application-related testing     Good, application-related testing     DIN EN 60811-404   Good, application-related testing     x Outer diameter     6 x Outer diameter     10 x Outer diameter     1 Mio.     5 m     3 m/s
	Electrical function wire (data)Characteristic impedanceElectrical resistance line constant wireElectrical resistance coating wire (Data)AC withstand voltage (wire - wire)Electric capacitanceAC withstand voltage (wire - shield)Min. operating temperature (static)Max. operating temperature (fixed)Operating temperature min. (dynamic)Operating temperature max. (dynamic)Flame resistancechemical resistanceOil resistanceBending radius (installation)Bending radius (fixed)No. of bending cycles (C-track)Travel speed (C-track)No. of torsion cycles	Power       120 Ω ± 10 % @ 1 MHz       78 Ω/km       54 Ω/km       2 kV @ 60 s       40000 pF/km       2 kV @ 60 s       -40 °C       80 °C       -30 °C       70 °C       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090       Good, application-related testing       Good, application-related testing       X Outer diameter       6 x Outer diameter       10 x Outer diameter       1 Mio.       5 m       3 m/s       2 Mio.

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

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