

## M12 female recept. D-cod. shielded rear

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 1.5m

**Ethernet CAT5** Flange female M12, 4-pole D-coded shielded

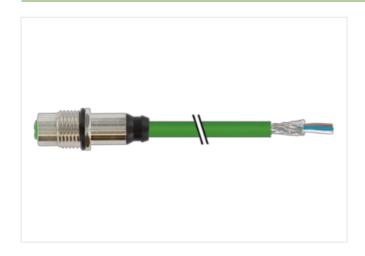
Rear mounting

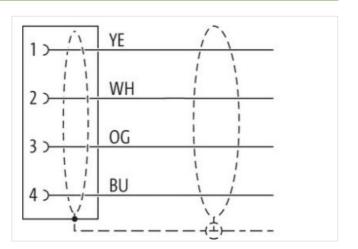
Further cable lengths on request.

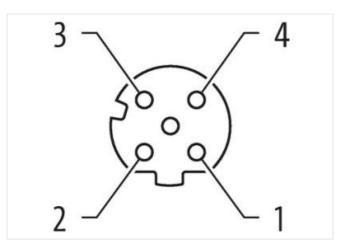
The resistance to aggressive media should be individually tested for your application. Further details on request.

## **Link to Product**

## Illustration







Product may differ from Image









Cable length

1,5 m

Side 1



stay connected

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	Brass
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879541220
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication   Ethernet fun	
duplex	Full duplex
Installation   Connection	
Mounting set	M16 x 1.5
Width across flats	SW19
Device protection   Electrical	
Protection NEMA	3, 4, 6P
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Material group (IEC 60664-1)  Mechanical data   Material data	
	nickel plated
Mechanical data   Material data  Coating locking	
Mechanical data   Material data  Coating locking  Coating of fitting	nickel plated nickel plated Brass
Mechanical data   Material data  Coating locking	nickel plated
Mechanical data   Material data  Coating locking  Coating of fitting  Locking material  Material screw connection	nickel plated Brass
Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data	nickel plated  Brass  Brass
Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method	nickel plated  Brass Brass  Schraubgewinde
Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method Looking techniques	nickel plated  Brass  Brass  Schraubgewinde  Schraubgewinde
Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method Looking techniques Environmental characteristics   Climatic	nickel plated  Brass  Brass  Schraubgewinde  Schraubgewinde
Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method Looking techniques Environmental characteristics   Climatic Operating temperature min.	nickel plated  Brass  Brass  Schraubgewinde  Schraubgewinde  -25 °C
Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method Looking techniques Environmental characteristics   Climatic Operating temperature min. Operating temperature max.	nickel plated  Brass  Brass  Schraubgewinde  Schraubgewinde  -25 °C  85 °C
Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method Looking techniques Environmental characteristics   Climatic Operating temperature min. Operating temperature max. Additional condition temperature range	nickel plated  Brass  Brass  Schraubgewinde  Schraubgewinde  -25 °C
Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method Looking techniques Environmental characteristics   Climatic Operating temperature min. Operating temperature max.	nickel plated  Brass  Brass  Schraubgewinde  Schraubgewinde  -25 °C  85 °C

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: 2024-05-21



stay connected

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.

Material jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, CFC-freeOuter-diameter (jacket)6,6 mmTolerance outer diameter (sheath)± 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareTraversing distance (C-track)5 m @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current constant wire55 $\Omega$ km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/km		endangered by excessive bending forces.
Installation   Cabbi           800           Cabbi indentification         800           Jacked Cofor         green           Type of Certificate         cUPus           Amount stranding         1           Cabbi shibiding (type)         copport braid, trinned           Cabbi was (type)         copport braid, trinned           Cabbi was (type)         copport braid, trinned           Sability (type)         copport braid, trinned           Sability (type)         copport braid, trinned           Cabbi was (type)         copport trinned           Cabbi was (type)         copport trinned           Color (none) packet	Approvals	
Cable Identification         800           Lacket Color         green           Type of Contilicate         CUPus           Amount stranding         1           Stranding         4 wires around Filer stan-shaped twisted           Cable shielding (overrage)         85 %           Bandring         Foll           Filer         yes           wire arrangement         yellow, Blue, orange, white           Cable shielding (overrage)         85 %           Bandring         Foll           Filer         yes           wire arrangement         yellow, Blue, orange, white           Cable weight         73,7 gml           Material jacket         PVC           Shore hardness jacket         PVC           Floodern from ingredients (gacket)         6.6 mm           Tolerance outer dismeter (phoesth)         2.5 %           Material inner jacket         FINK           Color (inner jacket)         natur           Material river insulation         1.53 mm           Material river insulation         1.53 mm           Outer diameter insulation         1.53 mm           Outer diameter insulation         1.53 mm           Ingreeient freeness wire insulation         1.55 mm	UL 50E	yes
Cable Identification         800           Lacket Color         green           Type of Contilicate         CUPus           Amount stranding         1           Stranding         4 wires around Filer stan-shaped twisted           Cable shielding (overrage)         85 %           Bandring         Foll           Filer         yes           wire arrangement         yellow, Blue, orange, white           Cable shielding (overrage)         85 %           Bandring         Foll           Filer         yes           wire arrangement         yellow, Blue, orange, white           Cable weight         73,7 gml           Material jacket         PVC           Shore hardness jacket         PVC           Floodern from ingredients (gacket)         6.6 mm           Tolerance outer dismeter (phoesth)         2.5 %           Material inner jacket         FINK           Color (inner jacket)         natur           Material river insulation         1.53 mm           Material river insulation         1.53 mm           Outer diameter insulation         1.53 mm           Outer diameter insulation         1.53 mm           Ingreeient freeness wire insulation         1.55 mm	Installation   Cable	
Jakote Color         green           Type of Certificate         clPus           Amount standing         1           Stranding         4 wives around Filler star-shaped twisted           Cable shielding (coverage)         85 %           Bunding         Foll           Filler         yes           Wind a rangement         yellow, blue, orange, white           Cable weight         73,7 g/m           Material jacket         PVC           Shore hardness jacket         85 % Shore A           Freedom from impedients (jacket)         65 mm           Freedom from impedients (jacket)         6,6 mm           Outer-cleared (jacket)         6,6 mm           Tolerance cuter dimeter (sheath)         15 %           Material more jacket         FRE           Color (inner jacket)         7 RNC           Color (inner jacket)         7 RNC           Color (inner jacket)         7 RNC           Color (inner jacket)         1,5 mm		000
Type of Certificate		
Amount stranding   1		
Stranding         4 wires around Filter star shaped twisted           Cable shelding (type)         copper braid, tinned           Cable shelding (coverage)         85 %           Banding         Foll           Filter         yes           wire arrangement         yellow, blue, orange, white           Cable weight         73 7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (glacket)         8,6 mm           Oler diameter (glacket)         8,6 mm           Tolerance outer diameter (glacket)         8,5 mm           Color (ner jacket)         1,5 mm           Color (ner jacket)         natur           Material wire insulation         PE           Annuant wires         4           Outer diameter (branches over insulation         1,53 mm           Outer diameter (branches wire insulation         55 ± 5 Shore D           Ingredient Freeness wire insulation         55 ± 5 Shore D           Ingredient Freeness wire insulation         55 ± 5 Shore D           Ingredient Geness wire insulation         55 ± 5 Shore D           Ingredient Geness wire insulation         55 ± 5 Shore D           Ingredient Geness wire insulation         55 ± 5 Shore D </td <td></td> <td></td>		
Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Banding         Föll           Filer         yes           wire arrangement         yellow, blue, orange, white           Cable weigh         73,7 gm           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, CFC-free           Outer-diameter (jacket)         6,5 mm           Tolerance outer diameter (shalt)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         natur           Amount wires         4           Amount wires         4           Amount wires         4           Cuter diameter insulation         1,55 mm           Outer diameter insulation         ± 5 %           Ingredient freeness wire insulation         1,55 mm           Outer diameter size insulation         1,55 mm           Outer diameter size insulation         1,5 mm           Outer diameter size insulation         1,5 ± 5 Shore D           Outer diameter outer insulation         1,5 ± 5 Shore D           Tollameter of single wire         1,0 mm		
Cabbe shielding (coverage)         85 %           Banding         Foil           Filler         yes           wire arrangement         yellow, blue, orange, white           Cabbe weighh         73,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredents (jacket)         6,6 mm           Other-diameter (jacket)         6,6 mm           Tolerance outer diameter (jacket)         1,5 mm           Color (inner jacket)         natur           Material linner jacket)         PE           Color (inner jacket)         1,53 mm           Outer diameter (berance core insulation         1,53 mm           Outer diameter (berance core insulation         5,5 %           Shore hardness wire insulation         5,5 % mm           Outer diameter (berance core insulation         1,53 mm           Outer diameter (berance core insulation         5,5 % mm           Impresion freeness wire insulation         5,5 % mm           Impresion freeness wire insulation         5,2 km G           Impresion freeness wire insulation         5,2 km G           Conductor crosssaction (vire)         22 AWG           Conductor crosssaction (vire)         22 AWG		·
Foil		
Filler yes wis arrangement yellow, blue, orange, white Cable weight 73.7 g/m  Material jacket PVC  Shore hardness jacket 85.5 Shore A  Freedoom from ingredients (jacket) 6,6 mm  Tolerance outer diameter (heath) 5.8 %  Material injection outer diameter (heath) 5.8 %  Material injection outer diameter (heath) 6,6 mm  Tolerance outer diameter (heath) 6,6 mm  Material injection outer diameter (heath) 6,8 mm  Auterial injection outer diameter (heath) 7,8 mm  Auterial conductor injection outer diameter injection outer diameter injection outer diameter injection outer diameter (heath) 6,8 mm  Auterial conductor outer outer injection outer diameter (heath) 6,8 mm  Auterial conductor outer outer injection outer diameter (heath) 6,8 mm  Auterial conductor wire outer out		
wire arrangement         yellow, blue, orange, white           Cable weight         73.7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, CFC-free           Outer-diameter (jacket)         6.6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1.53 mm           Outer diameter tolerance core insulation         5 ± 5 Shore D           Outer diameter view insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         5 ± 2 Shore D           Ingredient freeness wire insulation         5 ± 2 Shore D           Ingredient freeness wire insulation         5 ± 2 Shore D           Ingredient freeness wire insulation         1 ± 2 AWG           Conductor crossessetion (wire)         2 2 AWG           Conductor crossessetion (wire)         2 2 AWG           Material conductor wire         Stranded copper wire, bare	Banding	Foil
Cable weight         73.7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 shore A           Freedom from ingredients (jacket)         lead-free, CFC-free           Outer-diameter (jacket)         6.6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRNC           Color (mer jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Jamount strand (wire)         2 × WG           Digredient freeness wire insulation         15 ± 5 shore D           Ingredient reeness wire insulation         19 ± 4 × WG           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Conductor wire         Stranded copper wire, bare           Traversing distance (**Crack*)         5 m Ø 25 **C           Nominal voltage accomplication wire         55 £ MR Ø 20 **C           Cu	Filler	yes
Material jacket         FVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         6,6 mm           Tolerance outer diameter (jacket)         6,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRINC           Color (inner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter tolerance core insulation         1,53 mm           Outer diameter tolerance core insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         1,53 mm           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire	wire arrangement	yellow, blue, orange, white
Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, CPC-free           Outer-diameter (jacket)         6 m           Tolerance outer diameter (shealth)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         natur           Material wire insulation         PE           Annount wires         4           Outer diameter tolerance core insulation         1,53 mm           Unter diameter tolerance core insulation         55 %           Shore hardness wire insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         62 € 7 € CF-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DN VDE 0298-4           Current load capacity wire. wire         55 QN m @ 60 °S           Electrical resistance line constant wire         56 QN m @ 60 °S           AC withstand voltage (wire · wire)         24 V @ 60 °S	Cable weigth	73,7 g/m
Freedom from ingredients (jacket)         lead-free, CFC-free           Outer-diameter (jacket)         6.6 mm           Tolerance outer diameter (sheath)         £ 5 %           Material inner jacket         FRINC           Color (inner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1.53 mm           Outer diameter insulation         55 ± 5 Shore D           Norre hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         85 ± 5 Shore D           Ingredient freeness wire insulation         18-4 Free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crossection (wire)         22 AWG           Material conductor wire         Stranded copper wire, barre           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max         300 V           Current load capacity (standard)         10 DIN VDE 0298-4           Current load capacity min. wire         4 8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical capacity line constant wire         50 Ω/m @ 20 °C	Material jacket	PVC
Outer-dameter (jacket)         6,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         natur           Material wire insulation         PE           Armount wires         4           Outer diameter insulation         ±,5 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         65 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω± 15 % @ 1 MHz           Electrical resistance line constant wire         55 Qkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Taversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical capacity increase wire)         2 kV @ 60 s           Electrical capacity increase wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         500 °C	Freedom from ingredients (jacket)	lead-free, CFC-free
Material inner jacket         FRNC           Color (inner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           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 (wire wire)         4.8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance line constant (wire - wire)         5 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Clear training temperature (fixed)         30 °C	Outer-diameter (jacket)	6,6 mm
Color (inner jacket)         natur           Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,53 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω± 15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         500000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating tempera	Tolerance outer diameter (sheath)	±5%
Material wire insulation         PE           Amount wires         4           Outer diameter insulation         1,53 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω± 15 % @ 1 MHz           Electrical resistance line constant wire         5 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity ine constant (wire - wire)         5 0000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Max. operating temperature (static)         30 °C           Max. operating temperature (static)         30 °C           Operating	Material inner jacket	FRNC
Amount wires         4           Outer diameter insulation         1,53 mm           Outer diameter loterance core insulation         ± 5 %           Shore hardness wire insulation         lead-free, CFC-free, halogen-free           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (strandard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance line constant (wire - wire)         2 kV @ 60 s           Electrical apacity line constant (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature (min. (dynamic)         70	Color (inner jacket)	natur
Outer diameter insulation         1,53 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor orssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Taversing distance (C-track)         5 m @ 25 °C           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 (inin-wire)         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (fixed)         30 °C           Max. operating temperature (fixed) <t< td=""><td>Material wire insulation</td><td>PE</td></t<>	Material wire insulation	PE
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         30 °C           Max. operating temperature (static)         30 °C           Operating temperature min. (dynamic) </td <td>Amount wires</td> <td>4</td>	Amount wires	4
Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature (static)         -10 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         U. 1581 § 1090	Outer diameter insulation	1,53 mm
Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 %@ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         50000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature min. (dynamic)         -10 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing         DIN EN 60811-404 <th< td=""><td>Outer diameter tolerance core insulation</td><td>±5%</td></th<>	Outer diameter tolerance core insulation	±5%
Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crossesction (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω±15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         5 00/km @ 20 °C           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -10 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           Chemical resistance         Good, application-related testing           Gil resistance         Good, application-related testing           Oil resistance         Good, application-rel	Shore hardness wire insulation	55 ± 5 Shore D
Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor crossesction (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω±15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         5 00/km @ 20 °C           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -10 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           Chemical resistance         Good, application-related testing           Gil resistance         Good, application-related testing           Oil resistance         Good, application-rel	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Diameter of single wires         22 AWG           Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (ixed)         80 °C           Operating temperature min. (dynamic)         -10 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance <td></td> <td><del>-</del></td>		<del>-</del>
Conductor crosssection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         50000 pF/km           Power frequency withstand voltage (wire - jacket)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -10 °C           Operating temperature max. (dynamic)         -10 °C           Operating temperature max. (dynamic)         -70 °C           Flame resistance         UL 1581 § 1990   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing   DIN EN 60811-404		22 AWG
Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         50000 pF/km           Power frequency withstand voltage (wire - jacket)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature min. (dynamic)         -10 °C           Operating temperature max. (dynamic)         -10 °C           Operating temperature max. (dynamic)         -70 °C           Flame resistance         UL 1581 § 1990   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404 <td></td> <td>22 AWG</td>		22 AWG
Traversing distance (C-track)       5 m @ 25 °C         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,8 A         Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega \text{km} @ 20 °\text{C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $50000 \text{ pF/km}$ Power frequency withstand voltage (wire - jacket) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $30 °\text{C}$ Max. operating temperature (fixed) $80 °\text{C}$ Operating temperature min. (dynamic) $-10 °\text{C}$ Operating temperature max. (dynamic) $70 °\text{C}$ Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed) $5 \times \text{Outer diameter}$		
Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Characteristic impedance         100 Ω ± 15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical capacity line constant (wire - wire)         50000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -10 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 x Outer diameter		
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Characteristic impedance 100 Ω ± 15 % @ 1 MHz  Electrical resistance line constant wire 55 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Electrical capacity line constant (wire - wire) 50000 pF/km  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -10 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter		
Current load capacity min. wire $4.8 \text{ A}$ Characteristic impedance $100 \Omega \pm 15 \% 0 1 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega / \text{km} 0 20 \text{ °C}$ AC withstand voltage (wire - wire) $2 \text{ kV} 0 60 \text{ s}$ Electrical capacity line constant (wire - wire) $50000 \text{ pF/km}$ Power frequency withstand voltage (wire - jacket) $2 \text{ kV} 0 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} 0 60 \text{ s}$ Min. operating temperature (static) $-30 \text{ °C}$ Max. operating temperature (fixed) $80 \text{ °C}$ Operating temperature min. (dynamic) $-10 \text{ °C}$ Operating temperature max. (dynamic) $70 \text{ °C}$ Flame resistance $0 \text{ UL } 1581 \$ 1090 \text{   UL } 1581 \$ 1100 \text{ FT2} \text{   IEC } 60332-2-2 \text{ chemical resistance}$ Good, application-related testing  Gasoline resistance $0 \text{ Good}$ , application-related testing}  Oil resistance $0 \text{ Good}$ , application-related testing   DIN EN $0 \text{ 60811-404}$ Bending radius (fixed) $5 \times 0 \text{ Uter diameter}$		
Characteristic impedance $100 \Omega \pm 15 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega \text{km} @ 20 \text{ °C}$ AC withstand voltage (wire - wire) $2 \text{ kV} @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) $50000 \text{ pF/km}$ Power frequency withstand voltage (wire - given on the stand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV} @ 60 \text{ s}$ Min. operating temperature (static) $30 \text{ °C}$ Max. operating temperature (fixed) $80 \text{ °C}$ Operating temperature min. (dynamic) $10 \text{ °C}$ Operating temperature max. (dynamic) $70 \text{ °C}$ Flame resistance $10 \text{ LU} \times 1581 \text{ § } 1090 \text{ JUL } 1581 \text{ § } 1100 \text{ FT2} \text{ JEC } 60332-2-2$ chemical resistance $10 \text{ Good, application-related testing}$ Gasoline resistance $10 \text{ Good, application-related testing}$ Oil resistance $10 \text{ Good, application-related testing}$ Bending radius (fixed) $10 \text{ S} \times 0 \text{ Uter diameter}$	<del></del>	
Electrical resistance line constant wire       55 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Electrical capacity line constant (wire - wire)       50000 pF/km         Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         AC withstand voltage (wire - shield)       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -10 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       5 x Outer diameter		
AC withstand voltage (wire - wire)  Electrical capacity line constant (wire - wire)  Fower frequency withstand voltage (wire - giacket)  AC withstand voltage (wire - shield)  Electrical capacity line constant (wire - wire)  Electrical capacity line constant (wire)  Electrica	<u> </u>	
Electrical capacity line constant (wire - wire) 50000 pF/km  Power frequency withstand voltage (wire - piacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -10 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter		
Power frequency withstand voltage (wire - shield)  AC withstand voltage (wire shield)  AC withstand		
AC withstand voltage (wire - shield)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter	Power frequency withstand voltage (wire -	
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  To °C  Operating temperature max. (dynamic)  To °C  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter		2 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  To °C  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter		<del>-</del>
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic)  70 °C Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (fixed)  5 x Outer diameter		
Operating temperature max. (dynamic)  70 °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter		
Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter		
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter		<del>-</del>
Bending radius (fixed) 5 x Outer diameter		<del>-</del>
Deficing radius (dynamic) 15 x Outer diameter		
	bending radius (dynamic)	1939 Transia Palance



Travel speed (C-track)

2 Mio. @ 25 °C