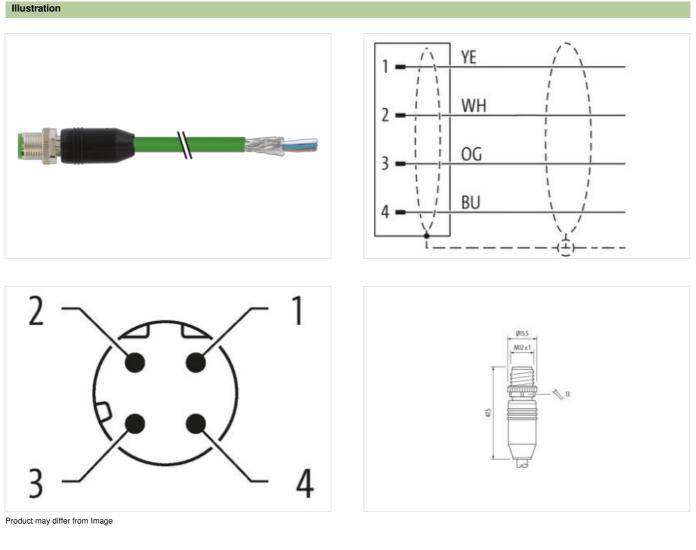


## M12 male 0° D-cod. with cable shielded

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 3m

Ethernet CAT5 Transmission properties with channel transmission up to 100 m Male straight M12, 4-pole D-coded shielded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product





Cable length

3 m

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: 2024-04-19

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Side 1			
Tightening torque	0,6 Nm		
Mounting method	inserted, screwed		
Family construction form	M12		
Thread	M12 x 1		
Coding	D		
Material	PUR		
Width across flats	SW13		
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67		
Commercial data			
ECLASS-6.0	27061801		
ECLASS-7.0	27061801		
ECLASS-8.0	27061801		
ECLASS-9.0	27061801		
ECLASS-10.1	27060307		
ECLASS-11.1	27060307		
ECLASS-12.0	27060307		
ETIM-5.0	EC001855		
customs tariff number	85444290		
GTIN	4048879749961		
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 func			
•			
duplex	Full duplex		
Installation   Connection			
Mounting set	M12 x 1		
Device protection   Electrical			
Additional condition protection degree	inserted, screwed		
Pollution Degree	3		
Rated surge voltage	1,5 kV		
Material group (IEC 60664-1)			
Mechanical data			
Contour for corrugated hose	without		
Mechanical data   Material data			
·	Niekolod		
Coating locking	Nickeled		
Coating of fitting	nickel plated		
Locking material Material screw connection	Zinc die-casting 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		
Conformity	Conformity		

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Product standard

DIN EN 61076-2-101 (M12)

Cable icentification800Type of CertificatiogreenType of CertificatioculRusAmount Schanding1Cable is Standing4 wires around Filler star-shaped twistedCable is Standing (type)cooper trait, linnedCable is Starding (type)000 per trait, linnedCable is Starding (type)000 per trait, linnedBarafingFolFilleryeswire arrangementyellow, blue, orange, whiteNo. of bording cycles (C ktack)2 Mole @ 25 °GCable welling in per traiter (the start)85 ± 5 Store AFreedom traiter (tackst)86 mCable relianter (tackst)86 ± 5 Store AFreedom traiter (tackst)86 mCalcer (tarnar tackstFINCCalcer (tarnar tackst)FINCCalcer (tarnar tackst)1 S %Calcer (tarnar tackst)5 S Store DCalcer (tarnar tackst)5 Store DFinder (tackst)5 Store DCalcer (tarnar tackst)5 Store DFinder (tackst)5 Store DFinde	Installation   Cable	
Type of Certificate         CURus           Armount standing         1           Stranding         4 wise around Filler star shaped twisted           Cable shielding (type)         copper traid, linned           Cable shielding (coverage)         85 %           Banding         Foll           Filler         yes           wire arrangement         yelkow, blue, crange, whita           No of barding cycles (C-track)         2 Min @ 25 °C           Cable weigh         73.7 g/m           Material jacket         PVC           Strong transformations jackel         85 ± 5 Shore A           Freedom from ingendents (jacket)         6.6 mm           Toferance outer diameter (sheath)         ± 5 %           Material ineri jacket         FFNC           Color (mere jacket)         natur           Material ineri jacket         FFNC           Colur dimeter (sheath)         1.5 %           Shore harches wire insulation         1.53 mm           Outer diameter insulation         1.53 mm           Colare (mere soutere)         5.0 %	Cable identification	800
Amount stranding         1           Stranding         4 wires atund Filler star-shaped twisted           Cable shielding (coverage)         85 %           Barding         Foll           Filler         yes           wire atrangement         yellow, blue @ 25 °C           Cable shielding (coverage)         85 %           Barding         73.7 gm           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingudantis (jackol)         load fore, CFC free           Outer diamotir (jackol)         66 m           Tolerance outer diameter (health)         5 5 %           Material inserial inseria	Jacket Color	green
Stranding     4 wires around Filler star-shaped twisted       Cable shielding (type)     copper braid, timed       Cable shielding (cverrage)     65 %       Banding     Foil       Filler     yes       wire arrangement     yellow, blue, orange, white       No. of banding cycles (C-track)     2 Mio. @ 25 °C       Cable weigh     73,7 yim       Matorial jacketi     PVC       Shore hardmess jacket     85 ± 5 Shore A       Freedom from ingredents (jacket)     66 rm       Older adimeter (jacket)     6.6 rm       Older adimeter (jacket)     6.6 rm       Order adimeter (jacket)     6.8 rm       Order adimeter (jacket)     natur       Material wire insulation     PE       Amount wires     4       Outer diameter insulation     1.53 mm       Outer diameter insulation     5.5 5 Shore D       Ingredient treenes wire insulation     5.5 5 Shore D       Ingredient treenes wire insulation     5.5 5 Shore D       Controf or orders wire insulation     1.53 mm       Outer diameter insulation     5.5 5 Shore D       Togetaer therape core insulation     5.5 %       Onduct drameter order or insulation     5.5 %       Outer diameter insulation     9.2 %       Current of single wires     22 AWG       <	Type of Certificate	cURus
Cable shielding (type)copper braid, tinnedCable shielding (coverage)85 %.BandingFolFilleryelsw, ble, orange, whiteNo. of bonding cycles (C-track)2 Mic. @ 25 °CCable weight73.7 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredents (jacket)163 ± 5 Shore ATolerance outer diameter (sheath)1.5 %.Material jacketPRCCable weightnaturTolerance outer diameter (sheath)1.5 %.Material jacketPRNCCodor (inner jacket)naturMaterial inver jacketFRNCCodor (inner jacket)naturMaterial wei insulation1.53 mmOuter diameter (sheath)1.5 %.Material insulation1.53 mmOuter diameter view insulation1.53 Shore DIngredient freeness wire insulation1.53 Shore DIngredient freeness wire insulation1.53 Shore DIngredient freeness wire insulation1.53 Kinnel Cooper wire, bareConduct crosssated in (wire)22 AWGConduct crosssated in (wire)22 AWGConduct crosssated in (wire)22 AWGCoursen taid gapoly (intervering)200 VMaterial crosstance (intervering)500 VElectrical crossiter wire500 VElectrical c	Amount stranding	1
Cable shielding (coverage)         85 %           Banding         Foll           Filier         yes           wire arrangement         yellow, blue, orange, white           No. of bending cycles (C-track)         2 Min. @ 25 °C           Cable weight         73,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingrodents (jacket)         Isad -two, CFC - Free           Outer-diameter (jacket)         6.6 mm           Tolerance outer diameter (shorth)         1 5 %           Material inner jacket)         natur           Material wines (jacket)         natur           Outer diameter insulation         PE           Amount wires         4           Outer diameter insulation         1.53 mm           Outer diameter insulation         1.53 %           Shore hardness wire insulation         1.53 mm           Outer diameter insulation         1.53 %           Conductor crossactin (wire)         7	Stranding	4 wires around Filler star-shaped twisted
Banding         Foil           Filer         yas           wire arangement         yalsow, blue, orange, while           No. of bending cycles (C-track)         2 Mio. @ 25 °C           Cable weight         73, 7 g/m           Material jackel         FVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredents (jacket)         least-free, CPC-free           Outer-diameter (jacket)         6,6 mm           Tolerance outer diameter (leaket)         1 ± 5 %           Material incer (jacket)         natur           Material incer (jacket)         natur           Material incer (jacket)         natur           Material incer (jacket)         natur           Material incer (jacket)         1,53 mm           Outer diameter tolerance ocre insulation         1 ± 5 %           Shore hardness wire insulation         1 ± 5 %           Outer diameter tolerance ocre insulation         1 ± 5 %           Material wrise insulation         1 ± 5 %           Shore hardness wire insulation         1 ± 6 ± 5 Shore D           Ingredient folge wires         2 AWG           Conductor crossection (wire)         22 AWG           Consection rule datapatiy (standard)         to D IN VEE C98-4	Cable shielding (type)	copper braid, tinned
Filler         yes           wire arrangement         yellow, blue, orange, while           No. of bending cycles (C-track)         2 Milo. @ 25 °C           Gable weigth         73,7 g/m           Material jacket         PVC           Shore hardness jacket         B5 15 Shore A           Freedom from ingredients (jacket)         lead-free, CFC-free           Outer-diameter (jacket)         6.6 mm           Tolerance outer diameter (sheath)         1.5 %.           Material inner jacket         FINC           Color (inner jacket)         natur           Material wire isulation         PE           Amount wires         4           Outer diameter insulation         1.5 %.           Shore hardness wire insulation         1.5 %.           Shore hardness wire insulation         1.63 mm           Outer diameter insulation         1.53 mm           Outer diameter insulation         1.53 mm           Outer diameter biolerance core insulation         1.53 %           Shore hardness wire insulation         182 * %           Conductor coresection (wire)         22 AWG           Conductor coresection (wire)         22 AWG           Conductor coresection (wire)         55 m @ 25 °C           Current load capacit	Cable shielding (coverage)	85 %
wire arrangement         yellow, blue, orange, white           No. of bending cycles (C-track)         2 Mo. @ 25 °C           Cable weigh         73,7 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         6.6 mm           Outer-diameter (jacket)         6.6 mm           Tolerance outer diameter (sheath)         ± 5 %.           Material iner jacket         FRNC           Color (inner jacket)         natur           Material iner jacket         FRNC           Color (inner jacket)         natur           Material iner jacket         FRNC           Outer diameter (insulation         1.53 mm           Outer diameter (insulation         1.53 mm           Outer diameter (insulation         1.53 mm           Outer diameter (insulation         1.63 mm           Tolerands weire insulation         1.64 free, CFC-free, halogen-free           Amount strands (wire)         7           Diameter of single wires         22 AWG           Conductor arossection (wire)         22 AWG           Conductor arossection (wire)         22 AWG           Current load capacity (standard)         to DN VDE 0298 4           Current lo	Banding	Foil
No. of bending cycles (C-track)         2 Mo. @ 25 °C           Cable weight         73,7 g/m           Material jacket         PVC           Shore hardness jackat         85 ± 5 Shore A           Freadom from ingredients (jackat)         Iead Free, CFC-free           Cubre-dimenter (jackat)         6.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jackat         FRNC           Color (inner jacket)         natur           Material inner jacket)         natur           Cuter diameter insulation         PE           Amount wires         4           Cuter diameter insulation         1.53 mm           Cuter diameter or lowards insulation         55 ± 5 Shore D           Cuter diameter or lowards insulation         55 ± 5 Shore D           Ingredient Thereass wire insulation         55 ± 2 Shore D           Conductor crossessive insulation         55 ± 2 Shore D           Conductor arcsessection (wire)         22 AWG           Conductor arcsessection (wire)         22 AWG           Conductor arcsessection (wire)         5 m @ 25 °C           Current load capacity (standard)         to DIV VDE 0294-4           Current load capacity (standard)         to DIV VDE 0294-4           Current load capacity	Filler	yes
Cable weigh         73.7 μm           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 (jacket)         6,6 mm           Tolerance outer diameter (jacket)         1 ± 5 %           Material inner jacket         FFINC           Color (inner jacket)         natur           Material wrie insulation         1 ± 5 %           Material wrie insulation         1,53 mm           Outer diameter tolerance core insulation         5 ± 5 Shore D           Ingredient freeness wrie insulation         163 ± 5 %           Shore hardness wrie insulation         163 ± 5 %           Damout strands (wrie)         7           Diametor of single wires         22 AWG           Conductor crossection (wrie)         22 AWG           Conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Current load capacity (standard)         to DN VDE 0298-4           Current load capacity (standard)         to DN VDE 0298-4           Current load capacity min. wrie         4.8 A           Characteristic ingredance	wire arrangement	yellow, blue, orange, white
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 (jacket)         1 ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         natur           Material wrie insulation         PE           Amount Wries         4           Outer diameter insulation         1,53 mm           Outer diameter tolerance core insulation         1,53 mm           Outer diameter tolerance core insulation         5 %           Shore hardness wire insulation         55 ± 5 Shore D           Ingredient freeness wire insulation         162 + 2 KWG           Conductor crossection (wire)         7           Diameter of single wires         22 AWG           Conductor rowsection (wire)         22 AWG           Material conductor wire         Stranded copper wire, bare           Taversing distance (C-track)         5 m @ 25 °C           Current load capacity (standard)         to IN VDE 0280+4           Current load capacity (standard)         to IN VDE 0280+4           Current load capacity (standard)         to IN VDE 0280+4           Current load	No. of bending cycles (C-track)	2 Mio. @ 25 °C
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, CFC-freeOuter-diameter (jacket)6.6 mmTolerance outer diameter (sheath)1.5 %Material inner jacketFRNCColor (inner jacket)naturMaterial wise insulationPEAmount wires4Outer diameter (sheath)1.53 mmOuter diameter losarce one insulation1.53 mmOuter diameter losarce one insulation55 ± 5 Shore DIngredient freeness wire insulation55 ± 5 Shore DIngredient freeness wire insulation55 ± 5 Shore DIngredient freeness wire insulation1.52 mmWaterial wire insulation22 AWGConductor consessection (wire)22 AWGConductor wiresStranded coper wire, bareTraversing distance (C-track)5 m @ 25 °CCurrent load capacity (shandard)to DIN VDE 0298-4Current load capacity (in-write)55 0.Km @ 20 °CNominal voltage power (AC max.300 VElectrical acpacity line constant (wire - write)50 Nm @ 20 °CNominal voltage power (wire - write)2.KV @ 60 sPower frequency withstand voltage power (wire - write)2.KV @ 60 sAc writestand voltage power (wire - write)2.KV @ 60 sMax. operature (fine-qurite)30 °COperating temperature (fine-grite)30 °COperating temperature (fine-grite)30 °COperating temperature (fine-grite)30 °COperating temperature (fine-grite)30 °COperating temperatu	Cable weigth	73,7 g/m
Freedom from ingredients (jacket)       lead-free, CFC-free         Outer-diameter (jacket)       6.6 mm         Tolerance outer diameter (jacket) $\pm$ 5 %         Material inner jacket       FRNC         Color (inner jacket)       natur         Material inner jacket       FRNC         Outer diameter insulation       PE         Amount wires       4         Outer diameter insulation       1.53 mm         Outer diameter tolerance core insulation $\pm$ 5 %         Shore hardness wire insulation $\pm$ 5 %         Ingredient freeness wire insulation       1.63 mm         Outer diameter tolerance core insulation $\pm$ 5 %         Shore hardness wire insulation       Isad-free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       22 AWG         Conductor consection (wire)       22 AWG         Conductor wire       Stranded copper wire, bare         Traversing distance (C-track)       5 m @ 26 °C         Current load capacity min. wire       4.8 A         Characteristic impedance       100 $\Omega \pm \pm$ 5 % @ 1 MHz         Electrical resistance line constant wire       50 Okm @ 20 °C         Nominal voltage power (wire - shield)       2 kV @ 60 s <t< td=""><td>Material jacket</td><td>PVC</td></t<>	Material jacket	PVC
Outer-diameter (jacket)         6,6 mm           Tolerance outer (diameter (sheath)         ± 5 %           Material inner jacket         FRNC           Color (inner jacket)         natur           Material wire insulation         PE           Arnourt 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         65 ± 5 Shore D           Ingredient freeness wire insulation         163 ± 5 %           Shore hardness wire insulation         164 ± 7 %           Diameter of single wires         22 AWG           Conductor cossesction (wire)         22 AWG           Conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Current load capacity (standard)         to DIN VDE 0298.4           Current load capacity (standard)         to DIN VDE 0298.4           Characteristic impedance         100 ½ ± 15 % @ 1 MHz           Electrical resistance line constant wire         55 Ω/m @ 20 °C           Nominal voltage power (wire - wire)         60000 pF/km           (rive - slicet)         2 kV @ 60 s	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)       ± 5 %         Material vie injacket       FRNC         Color (inner jacket)       natur         Material vie insulation       PE         Amount wires       4         Outer diameter insulation       1,53 mm         Outer diameter insulation       55 ± 5 Shore D         Shore hardness wire insulation       163 free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       22 AWG         Conductor crosssection (wire)       22 AWG         Conductor vire       Stranded copper wire, bare         Traversing distance (C-track)       5 m @ 25 °C         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (wire - standard)       to DIN VDE 0298-4         Current load capacity (wire - wire)       50 Akm @ 20 °C         Nominal voltage power AC max.       300 V         Electrical resistance line constant wire       55 Okm @ 20 °C         Nominal voltage power (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage power (wire - wire)       2 kV @ 60 s         Max. operating te	Freedom from ingredients (jacket)	lead-free, CFC-free
Tolerance outer diameter (sheath)       ± 5 %         Material vie injacket       FRNC         Color (inner jacket)       natur         Material vie insulation       PE         Amount wires       4         Outer diameter insulation       1,53 mm         Outer diameter insulation       55 ± 5 Shore D         Ingredient freeness wire insulation       162 ± 5 %         Shore hardness wire insulation       164 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         Current toad capacity (standard)       to DIN VDE 0298-4         Current toad capacity min. wire       4.8 A         Characteristic impedance       100 Ω ± 15 % @ 1 MHz         Electrical resistance line constant wire       50 L/m @ 20 °C         Nominal voltage power AC max.       300 V         Electrical capacity line constant (wire - wire)       50 L/m @ 20 °C         Nominal voltage power (wire - shield)       2 k/ @ 60 s         Power frequency withstand voltage power (wire - wire)       2 k/ @ 60 s         Max. operating temperature (fixed		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       lead-free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       22 AWG         Conductor crosssection (wire)       22 AWG         Conductor roises       Stranded copper wire, bare         Traversing distance (C-track)       5 m @ 25 °C         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (wire wire)       25 0 / Km @ 20 °C         Nominal voltage power AC max.       300 V         Electrical capacity line constant (wire - wire)       60000 pF/km         (orwer)       20 V@ 60 s         Min. operating temperature (stack)       -30 °C         AC withstand voltage power (wire - wire)       2 kV @ 60 s         Min. operating temperature (stack)       -30 °C         Operating temperature (stack)		
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       lead-free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       22 AWG         Conductor crosssection (wire)       22 AWG         Conductor roises       Stranded copper wire, bare         Traversing distance (C-track)       5 m @ 25 °C         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to 00 C	Material inner jacket	FRNC
Material wire insulationPEAmount wires4Outer diameter insulation1,53 mmOuter diameter tolerance core insulation15 %Shore hardness wire insulation55 ± 5 Shore DIngredient feeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor rossection (wire)22 AWGConductor rossection (wire)22 AWGMaterial conductor wireStranded copper wire, bareTraversing distance (C-track)5 m @ 25 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (mix wire48 ACharacteristic impedance100 $\Omega \pm 15 \% @ 1 MHz$ Electrical resistance line constant wire55 $\Omega km @ 20 °C$ Nominal voltage power AC max.300 VElectrical resistance line constant (wire - wire)50000 pF/km(power)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sMin: operating temperature (statc)30 °CMax. operating temperature (statc)30 °CMax. operating temperature (statc)10 °COperating temperature (statc)00 °COperating temperature max. (dynamic)70 °CFlame resistanceGlode, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testing<		
Amount wires       4         Outer diameter insulation       1,53 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       55 ± 5 Shore D         Imgredient freeness wire insulation       lead-free, CFC-free, halogen-free         Amount strands (wire)       7         Diameter of single wires       22 AWG         Conductor crossection (wire)       22 AWG         Conductor crossection (wire)       22 AWG         Conductor orize       Stranded copper wire, bare         Traversing distance (C-track)       5 m @ 25 °C         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity line constant wire       55 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         Electrical resistance line constant (wire - wire)       50000 pF/km         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power (wire - shield)       2 kV @ 60 s         Min. operating temperature min. (dynamic)       -10 °C         Min. operating temperature min. (dynamic)       -10 °C         Operating temperature min. (dyn		
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 crossection (wire)         22 AWG           Conductor vire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Current load capacity (standard)         to DIN VDE 028-4           Current load capacity (standard)         to DIN VDE 0296-4           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           Nominal voltage power AC max.         300 V           Electrical capacity ine constant (wire - wire) (power)         50000 pF/km           AC withstand voltage power (wire - shield)         2 kV @ 60 s           AC withstand voltage power (wire - wire) (wire - jackel)         2 kV @ 60 s           Max. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature min. (dynamic)         -10 °C           Operating t	Amount wires	4
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 crossection (wire)         22 AWG           Conductor vire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Current load capacity (standard)         to DIN VDE 028-4           Current load capacity (standard)         to DIN VDE 0296-4           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           Nominal voltage power AC max.         300 V           Electrical capacity ine constant (wire - wire) (power)         50000 pF/km           AC withstand voltage power (wire - shield)         2 kV @ 60 s           AC withstand voltage power (wire - wire) (wire - jackel)         2 kV @ 60 s           Max. operating temperature (static)         -30 °C           Max. operating temperature (static)         -30 °C           Max. operating temperature min. (dynamic)         -10 °C           Operating t	Outer diameter insulation	1.53 mm
Shore hardness wire insulation $55 \pm 5$ 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 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \% @$ 1 MHzElectrical resistance line constant wire55 $\Omega/km @$ 20 °CNominal voltage power AC max.300 VElectrical capacity line constant (wire - wire)50000 pF/km(power)2 kV @ 60 sPower frequency withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °CFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Outer diameter tolerance core insulation	
Ingredient 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 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)100 $\Omega \pm 15 \%$ @ 1 MHzElectrical resistance line constant wire55 $\Omega$ km @ 20 °CNominal voltage power AC max.300 VElectrical capacity line constant (wire - wire)50000 pF/km(power)2 kV @ 60 sPower frequency withstand voltage power (wire - shield)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature (fixed)80 °COperating temperature (fixed)70 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing		
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         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         Nominal voltage power AC max.       300 V         Electrical capacity line constant (wire - wire)       50000 pF/km         (power)       50000 pF/km         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Operating temperature (static)       -30 °C         Operating temperature (static)       -70 °C         Flame resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing		
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         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         Nominal voltage power AC max.       300 V         Electrical capacity line constant (wire - wire)       50000 pF/km         (power)       60 s         Power frequency withstand voltage power       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature (min. (dynamic))       -10 °C         Opperating temperature min. (dynamic)       -10 °C         Opperating temperature max. (dynamic)       70 °C         Flame resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing		
Conductor crosssection (wire)       22 AWG         Material conductor wire       Stranded copper wire, bare         Traversing distance (C-track)       5 m @ 25 °C         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         Nomial voltage power AC max.       300 V         Electrical capacity line constant (wire - wire)       50000 pF/km         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power       2 kV @ 60 s         AC withstand voltage power (wire - wire)       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -10 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	. ,	
Material conductor wire       Stranded copper wire, bare         Traversing distance (C-track)       5 m @ 25 °C         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         Nominal voltage power AC max.       300 V         Electrical capacity line constant (wire - wire)       50000 pF/km         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power       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 min. (dynamic)       70 °C         Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	-	
Traversing distance (C-track)       5 m @ 25 °C         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         Nominal voltage power AC max.       300 V         Electrical capacity line constant (wire - wire)       50000 pF/km         (power)       50000 pF/km         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power (wire - shield)       2 kV @ 60 s         AC withstand voltage power (wire - wire)       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	. ,	
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         Nominal voltage power AC max.       300 V         Electrical capacity line constant (wire - wire)       50000 pF/km         (power)       50000 pF/km         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power (wire - wire)       2 kV @ 60 s         AC withstand voltage power (wire - wire)       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		
Current load capacity min. wire4.8 ACharacteristic impedance100 Ω ± 15 % @ 1 MHzElectrical resistance line constant wire55 Ω/km @ 20 °CNominal voltage power AC max.300 VElectrical capacity line constant (wire - wire) (power)50000 pF/kmAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature max. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing		
Characteristic impedance       100 Ω ± 15 % @ 1 MHz         Electrical resistance line constant wire       55 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         Electrical capacity line constant (wire - wire) (power)       50000 pF/km         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power (wire - jacket)       2 kV @ 60 s         AC withstand voltage power (wire - wire)       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		
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(power)       S0000 pF/km         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power       2 kV @ 60 s         AC withstand voltage power (wire - wire)       2 kV @ 60 s         AC withstand voltage power (wire - wire)       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		
Power frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-10 °COperating temperature max. (dynamic)70 °CFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing		50000 pF/Km
(wire - jacket)     2 kV @ 60 s       AC withstand voltage power (wire - wire)     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	AC withstand voltage power (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		2 kV @ 60 s
Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -10 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing	AC withstand voltage power (wire - wire)	2 kV @ 60 s
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	Min. operating temperature (static)	-30 °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	Max. operating temperature (fixed)	℃ 08
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	Operating temperature min. (dynamic)	-10 °C
chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing	Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
	chemical resistance	Good, application-related testing
Oil resistance Good, application-related testing   DIN EN 60811-404	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)     5 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)     15 x Outer diameter	Bending radius (dynamic)	15 x Outer diameter

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: 2024-04-19

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