

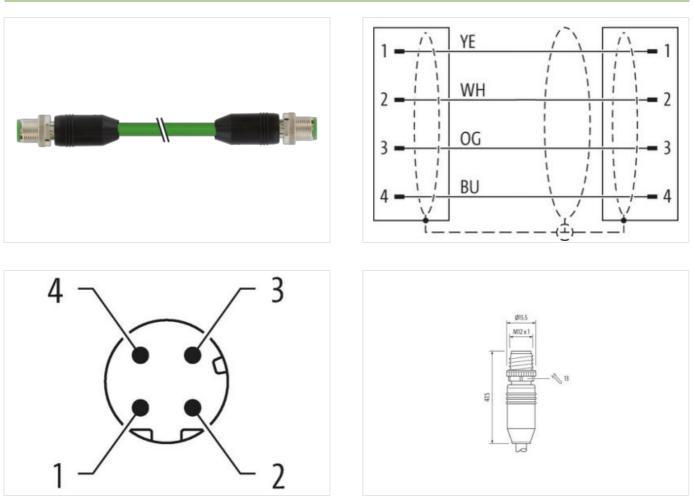
## M12 male 0° / M12 male 0° D-cod. shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.9m

Product fulfills requirements according to UN/ECE R118 Ethernet CAT5e Transmission properties with channel transmission up to 100 m Male straight – male straight M12 – 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

Illustration



Product may differ from Image



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: 2024-05-19

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Cable length	0,9 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	D
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	D
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444290
GTIN	4065909009253
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication   Ethernet fur	nctionality
duplex	Full duplex
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Motorial group (IEC 60664.1)	
Material group (IEC 60664-1)	

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Cacing cosingNeikedLooking matinalZin die casingMechanical disa [Mouring datsinserted, scrowed, Shaking protectionEnvironental characteristics (ClimatSi °COperating temperature max.85 °COperating temperature max.65 °COperating temperature max.65 °CMouting attemperature max.65 °CMotional condition temperature max.67 °CImportant Installation notesProtect the connectors by suitable messures from mechanical loads, e.g. by the usage of cable leas.Note on strain reliefProtect the connectors by suitable messures from mechanical loads, e.g. by the usage of cable leas.Product strain delfProtect the connectors by suitable messures from mechanical loads, e.g. by the usage of cable leas.Product strain delfProtect the connectors by suitable messures from mechanical loads, e.g. by the usage of cable leas.ContornityInstallation 1 GabeProduct strainderProtect the connectors by suitable messures from mechanical loads, e.g. by the usage of cable leas.ContornityInstallation 1 GabeProduct strainderProduct strainderJackel Color97 (96 °CJackel Color97 (96 °CJackel Color97 (96 °CJackel Color98 °CJackel Color	Mechanical data   Material data	
Mechanical data     Muniting method     inserted, screwed, Shaking protection       Environmental characteristics (Climatic Operating temperature min.     25 °C       Operating temperature min.     25 °C       Operating temperature min.     25 °C       Operating temperature min.     25 °C       Machineal condition temperature may     depending on cable quality       Important installiation notes     Hotect the connactors by suitable measures from machanical loads, e.g. by the usage of cable ties.       Note on branding radius     Attention: Observe the permissible bending tords.       Contomity     Protect the connactors by suitable measures from machanical loads, e.g. by the usage of cable ties.       Installation (Cable     Units of the connactors by suitable measures from machanical loads, e.g. by the usage of cable ties.       Installation (Cable     Units of the connactors by suitable measures from machanical loads, e.g. by the usage of cable ties.       Installation (Cable     Units of the connactors by suitable measures from machanical loads, e.g. by the usage of cable ties.       Contornity     Protect the connactors by suitable measures from machanical loads, e.g. by the usage of cable ties.       Contornity     Protect the connactors by suitable measures from machanical loads, e.g. by the usage of cable ties.       Cable stending (cable)     Opero faring the conn	Coating locking	Nickeled
Mouning method     inserted, screwed, Staking protection       Environmental characteristics   Climatic     Comparing tomporature main.     25 °C       Opperating tomporature main.     25 °C     Comporating tomporature main.     45 °C       Opperating tomporature main.     depending on cable quality     Important Installation tomperature main.     depending on cable quality.       Important Installation notes     Attention: Observe the permissible bunding radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessive bending radi: when laying cables, as the IP protection class can be dangered by excessin class can be dangered by excessive be dangered by excessive be	Locking material	Zinc die-casting
Environmental characteristics   Climatic     Climatic       Operating temperature max.     26 °C       Operating temperature max.     26 °C       Additional condition temperature maye     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable iles.       Note on banding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be indragered by occessive bending torces.       Contornity     Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable iles.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be indragered by occessive bending torces.       Contornity     Product standard       Product standard     DIN EN 81076-2-101 (M12)       Installation (Cable     Gable identification       Type of Cartificate     cURus       Autorat Standing     1       Standing (torverap)     85 %       Cable shielding (torverap)     85 %       Banding     Fleece, Foil       Fliar     yes       Vertex et and yes (bott)     6.7 mm       Cable wight     63.3 gm       Materia	Mechanical data   Mounting data	
Environmental characteristics   Climatic       Operating temporature min.     25 °C       Operating temporature max.     85 °C       Additional condition temperature maye     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable iles.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be indiagenered by oxcessive bending forces.       Conformity     Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     units, vellow, blue, orange       Cable identification     786       Cable identification     786       Type of Certificate     cURus       Anount stranding     1       Stranding     1       Stranding     1       Stranding     1       Stranding     Fleece, Foil       Filler     yes       wite arrangement     white, yellow, blue, orange       Cable shielding (type)     copper braid, timed       Cable shielding (type)     65 %       Banding     Fleece, Foil	Mounting method	inserted, screwed. Shaking protection
Operating temperature man.     25 °C       Operating temperature man.     85 °C       Additional condition temperature man.     85 °C       Additional condition temperature man.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on bending radius     Attention: Observe the permissible bending functes.       Contornity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Contornity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Contornity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Contornity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Contornity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Contornity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Attention: Observe the permissible bonding radi. When laying cables, as the IP protection class call the addites for the connector date for	-	
Operating temperature max.     85 °C       Additional condition temperature may     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Endemand the permissible bending radii when laying cables, as the IP protection class can the arrangement       While, yellow, blue, orange     Endemand the permissible bending radii when laying cables, as the IP protection class can the arrangement       While, yellow, blue, orange     Endemand the permissible bending radii when laying cables, as the IP protection class can the arrangement       While, yellow, blue, orange     Cable       Cable identification     796       Cable identification     796       Cable disting (type)     copper braid, tinned       Cable shelding (coverage)     85 %       Cable shelding (coverage)     85 %       Fillor     yei       View arrangement     white, yellow, blue, orange       Cable whigh     89 3 g/m       Material jacket     PUR       Shore hardness jackel     89 Shore A       Freadom trom ingre	•	
Additional condition temperature range     depending on cable quality       Important Installation notes     Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     units of the permissible pending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Cable identification     796       Cable identification     96       Cable identification     96       Cable shelding (coverage)     65 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     white, yellow, blue, orange       Cable weigh     69.3 g/m       Material jacket     PUF       Shore hardness jacket     PUR <td></td> <td></td>		
Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endering forces.       Conformity     INIE No 61076-2-101 (M12)       Installation   Cable     Init Second Secon		
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on bending radius     Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can the advangered by excessive bending forces.       Contornity     Protect standard     DIN EN 81076-2-101 (M12)       Installation [Cable     Use arrangement     white, yellow, blue, orange       Cable identification     796     Gable Color     Green       Jacket Color     green     Gable Color     Green       Stranding     4 wises around Core filler twisted     Gable shidding (towarge)     65 %       Gable shidding (towarge)     65 %     Gable shidding (towarge)     65 %       Banding     Fleece, Foil     Gable shidding (towarge)     65 %       Cable shidding (towarge)     69 %     Gable shidding (towarge)     65 %       Banding     Fleece, Foil     Gable shidding (towarge)     65 %       Cable shidding (towarge)     69 %     Gable shidding (towarge)     65 %       Cable shidding (towarge)     69 %     Gable shidding (towarge)     Gable shidding (towarge)     Gable shidding (towarge)     Gable shidding (towarge)     Gable		depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076 2-101 (M12)       Installation   Cable     write arrangement     white, yellow, blue, orange       Cable identification     796       Cable shielding (type)     copper braid, tinned       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     85 %       Banding     Filesce, Foll       Fillar     yes       write arrangement     white, yellow, blue, orange       Cable weigh     69.3 g/m       Material jacket     PUR       Shore hardness jackat     89 Shore A       Freedom from ingredients (jacket)     6.7 mm       Tolerance outer diameter (sheath)     ± 5 %       Mat	Important installation notes	
Note of including raturdsendangered by excessive bending forces.ConformityProduct standardDin En 61076-2-101 (M12)Installation [CableWite arrangementwhite, yellow, blue, orangeCable identification796Cable identification796Cable identification796Cable identification97eType of CertificateculRusArnout Standing1Stranding4 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %.BandingFleece, FoilFilleryesWaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)62 %.Color (inner jacket) $2 5 %.$ Color (inner jacket)FIRNCColor (inner jacket)PEArmoutt stranding14 mmOuter diameter (sheath) $2 5 %.$ Shore hardness wire insulationPEArmoutt wires4Color (inner jacket) $2 5 %.$ Shore hardness wire insulation14 mmOuter diameter (sheath) $2 5 %.$ Shore hardness wire insulation12 %.Shore hardness wire insulation12 %.Calor (inner jacket) $2 5 %.$ Calor (inner jacket) $2 5 %.$ Shore hardness wire insulation14 mmOuter diameter (insulation12 %.Shore hardness wire insulation12 %.Shore hardness wire insulation1	Note on strain relief	
Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable       wire arrangement     white, yellow, blue, orange       Cable identification     796       Jacket Color     green       Type of Certificate     cURus       Amount Stranding     1       Stranding     4 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     85 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     white, yellow, blue, orange       Cable weighth     69.3 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     6.7 mm       Tolerance outer diameter (sheath)     ±5 %       Calor (inner jacket)     factomet diameter insulation       PE     Amount wires       Outer diameter insulation     1.4 mm       Outer diameter insulation     1.5 %       Shore Bardness wire insulation     1.6	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable       wire arrangement     white, yellow, blue, orange       Cable identification     796       Jacket Color     green       Type of Certificate     CURus       Annount stranding     1       Stranding     4 wires around Core filter twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     85 %       Banding     Fleece, Foil       Filter     yes       wire arrangement     white, yellow, blue, orange       Cable weigh     69.3 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6.7 mm       Tolarace outer diameter (jacket)     5 %       Caloi weigh in adurt     FINC       Color (iner jacket)     natur       Material iner jacket     FINC       Color (iner jacket)     natur       Material iner jacket     FINC       Color (iner jacket)     65 Shore D       Under diamete	Conformity	
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Jacket ColorgreenType of CertificatecURusAmount stranding1Stranding4 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arrangementwhite, yellow, blue, orangeCable weigth69.3 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,7 mmTolerance outer diameter (sheath)± 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter rolerance core insulation1,4 mmOuter diameter rolerance core insulation1,4 mmOuter diameter rolerance core insulation65 Shore DIngredient free, escentre22 AWGConductor corsescetion (wire)22 AWGConductor orsescence22 AWGConductor orsescence22 AWGConductor orsescetion (wire)22 AWGCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Characteristic impedance100 £ 15 % @ 100 MHz		
Type of CertificateCURusAmount stranding1Stranding4 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arrangementwhite, yellow, blue, orangeCable weigth69.3 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,7 mmTolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulationPEAmount wires4Outer diameter insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Color (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Color (inner jacket)naturMaterial wire insulation $\pm 2 WG$ Coluter diameter tolerance core insulation $\pm 2 WG$ Conductor orssection (wire) $22 AWG$ Conductor wireStranded copper wire, bareNominal voltage AC max. $300 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4.8 A$ Characteristic impedance100 $\Omega \pm 15 \%$ (		
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white, yellow, blue, orangeCable weigth69,3 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,7 mmTolerance outer diameter (sheath) $\pm 5 \%$ Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor orwiseStranded copper wire, bareMaterial ond viresStranded copper wire, bareAmount strands (wire)Stranded copper wire, bareConductor wireStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15\%$ 010 MHz	Banding	Fleece, Foil
Cable weigth69,3 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket) $6,7$ mmTolerance outer diameter (sheath) $\pm 5$ %Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEArount wires4Outer diameter tolerance core insulation $\pm 5$ %Shore hardness wire insulation1,4 mmOuter diameter tolerance core insulation $\pm 5$ %Shore hardness wire insulation $\pm 5$ %Color core insulation $\pm 2$ %Duter diameter tolerance core insulation $\pm 5$ %Shore hardness wire insulation $\pm 2$ %Could core solution $\pm 5$ %Shore hardness wire insulation $\pm 2$ %Cuter diameter tolerance core insulation $\pm 2$ %Shore hardness wire insulation $= 24$ /free, CFC-free, halogen-freeArnount strands (wire)7Diameter of single wires22 AWGConductor crossection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15$ % $@$ 100 MHz	Filler	yes
Material Jacket PUR   Shore hardness jacket 89 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 6,7 mm   Tolerance outer diameter (sheath) ± 5 %   Material inner jacket FRNC   Color (inner jacket) natur   Material wire insulation PE   Arnount wires 4   Outer diameter tolerance core insulation 1,4 mm   Outer diameter tolerance core insulation ± 5 %   Shore hardness wire insulation 65 Shore D   Ingredient freeness wire insulation 65 Shore D   Ingredient freeness wire insulation 1ead-free, CFC-free, halogen-free   Amount strands (wire) 7   Diameter of single wires 22 AWG   Conductor wire Stranded copper wire, bare   Nominal voltage AC max. 300 V   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity min. wire 4,8 A   Characteristic impedance 100 Ω ± 15 % @ 100 MHz	wire arrangement	white, yellow, blue, orange
Shore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket) $6.7  mm$ Tolerance outer diameter (sheath) $\pm 5  \%$ Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter tolerance core insulation $\pm 5  \%$ Shore hardness wire insulation65 Shore DIngredient freeness wire insulation65 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, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4.8  A$ Characteristic impedance100 $\Omega \pm 15 \% @ 100  MHz$	Cable weigth	69,3 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket) $6.7 \text{ mm}$ Tolerance outer diameter (sheath) $\pm 5 \%$ Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $65 \text{ Shore D}$ Ingredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8 \text{ A}$ Characteristic impedance100 $\Omega \pm 15 \% @ 100 \text{ MHz}$	Material jacket	PUR
Outer-diameter (jacket) $6,7 \text{ mm}$ Tolerance outer diameter (sheath) $\pm 5 \%$ Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation $1,4 \text{ mm}$ Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Ingredient freeness wire insulation $\pm 5 \%$ Diameter of single wires22 AWGConductor crosssection (wire)22 AWGConductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8 A$ Characteristic impedance $100 \Omega \pm 15 \%$ @ 100 MHz	Shore hardness jacket	89 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   1.4 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   65 Shore D     Ingredient freeness wire insulation   lead-free, CFC-free, halogen-free     Amount strands (wire)   7     Diameter of single wires   22 AWG     Conductor crosssection (wire)   22 AWG     Material conductor wire   Stranded copper wire, bare     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 % @ 100 MHz	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacket   FRNC     Color (inner jacket)   natur     Material wire insulation   PE     Amount wires   4     Outer diameter insulation   1,4 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   65 Shore D     Ingredient freeness wire insulation   lead-free, CFC-free, halogen-free     Amount strands (wire)   7     Diameter of single wires   22 AWG     Conductor wire   Stranded copper wire, bare     Nomial 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 % @ 100 MHz	Outer-diameter (jacket)	6,7 mm
Color (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1.4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 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, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Characteristic impedance100 Ω ± 15 % @ 100 MHz	Tolerance outer diameter (sheath)	± 5 %
Material wire insulationPEAmount wires4Outer diameter insulation1,4 mmOuter diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation65 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, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \%$ @ 100 MHz	Material inner jacket	FRNC
Amount wires4Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 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, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 Ω ± 15 % @ 100 MHz	Color (inner jacket)	natur
Outer diameter insulation $1,4 \text{ mm}$ Outer diameter insulation $\pm 5 \%$ Shore hardness wire insulation $65 \text{ Shore D}$ Ingredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires $22 \text{ AWG}$ Conductor crosssection (wire) $22 \text{ AWG}$ Material conductor wireStranded copper wire, bareNominal voltage AC max. $300 \text{ V}$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8 \text{ A}$ Characteristic impedance $100 \Omega \pm 15 \%$ @ 100 MHz	Material wire insulation	PE
Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation65 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, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8 A$ Characteristic impedance $100 \Omega \pm 15 \%$ @ 100 MHz	Amount wires	4
Shore hardness wire insulation $65$ 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, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8$ ACharacteristic impedance $100 \Omega \pm 15 \%$ @ 100 MHz	Outer diameter insulation	1,4 mm
Ingredient freeness wire insulation   lead-free, CFC-free, halogen-free     Amount strands (wire)   7     Diameter of single wires   22 AWG     Conductor crosssection (wire)   22 AWG     Material conductor wire   Stranded copper wire, bare     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 % @ 100 MHz	Outer diameter tolerance core insulation	±5%
Amount strands (wire)   7     Diameter of single wires   22 AWG     Conductor crosssection (wire)   22 AWG     Material conductor wire   Stranded copper wire, bare     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 % @ 100 MHz	Shore hardness wire insulation	65 Shore D
Diameter of single wires   22 AWG     Conductor crosssection (wire)   22 AWG     Material conductor wire   Stranded copper wire, bare     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 % @ 100 MHz	Ingredient freeness wire insulation	
Conductor crosssection (wire)   22 AWG     Material conductor wire   Stranded copper wire, bare     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 % @ 100 MHz	( ),	
Material conductor wire Stranded copper wire, bare   Nominal voltage AC max. 300 V   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity min. wire 4,8 A   Characteristic impedance 100 Ω ± 15 % @ 100 MHz	5	
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 % @ 100 MHz		
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 Ω ± 15 % @ 100 MHz		
Current load capacity min. wire 4,8 A   Characteristic impedance 100 Ω ± 15 % @ 100 MHz	Ŭ	
Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$		
		·
Electrical resistance line constant wire 55 O/km @ 20 °C	•	
AC withstand voltage (wire - wire) 2 kV @ 60 s	Electrical resistance line constant wire	55 Ω/km @ 20 °C

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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
Isolation resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m