

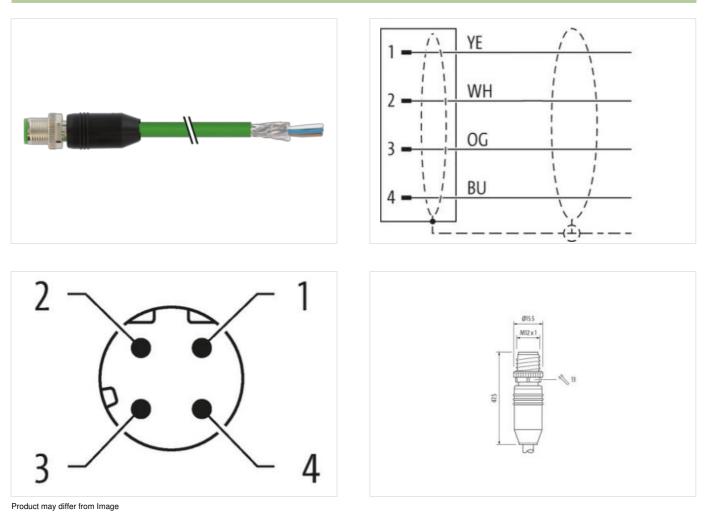
M12 male 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 4m

Product fulfills requirements according to UN/ECE R118 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

Illustration





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: 2024-05-14



Cable length	4 m
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-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	4048879427708
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	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)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °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: 2024-05-14



Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 Ω ± 15 % @ 100 MHzElectrical resistance line constant wire55 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 s	Operating temperature max.	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 radius then laying cables, as the IP protection datas can be endangenode y accessive bending (radius) Poduct standard Ibit Ne (676-101 (M12) Type of Cartification 796 Jacket Colon Green Type of Cartificatio 9780-1 Jacket Colon Opper tradius Arrout stranding 1 Jacket Colon Opper tradius Cable sideling (type) Opper tradius Gabe sideling (type) Opper tradius Gabe sideling (type) 985 °G Carlon side arrout stranding 1000-0 Filer Yes Vest stradius 3100-02 ST °G Traves stradi (Crinck) 3 Mole 25 °G Traves stradi (Crinck) 885 Nor A Filer Yes Older divisition 683 Store A Traves stradi (Crinck) 885 Nor A Stradi tradius stradius 164 Store A Outer divisition (Crinck) 183 Store A	Additional condition temperature range	depending on cable quality
Alternation Advances Contornity International Cables as the P protection datas can be ending forces, as the P protection data can be ending forces, as the P protection data can be ending forces, as the P protection data can be ending forces, as the P protection data force, force, halogen-free, silcone-free, force, halogen-free, silcone-free force, halogen-free, silcone-free force, halogen-free, silcone-free force, halogen-free, silcone-free force, halogen-free,	Important installation notes	
Ante on bending radiu Attending: Classes the permissible bending radii when laying cables, as the IP protocion class can be ending forces. Contornity Product standard DN EN 610762-101 (M12) Installation I Cable Contornity Product standard Data Standard DN EN 610762-101 (M12) Installation I Cable Contornity Product standard Data Standard Contornity Product standard Cable destification 766 Contornity Amount stranding 4 wites around Coro lifer twisted Contornity Stranding 4 wites around Coro lifer twisted Contornity Cable standard (type) Cooper traid, finned Standard Standard Stranding (type) Cooper traid, finned Standard Standard Standard Stranding (type) Cooper traid, finned Standard Standard Standard Standard Standard Stranding (type) Standard Standard Standard Standard Standard Standard Standard (type) Standard Standard Standard Standard Standard <t< td=""><td>Note on strain relief</td><td>Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.</td></t<>	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DNR EN 61076-2-101 (M12) Installication (Cable Cable identification 996 Cable identification Qmeen Cable Color Qmeen Stranding URus Cable Stranding (Mpe) Cable Stranding (Mpe) Cable Stranding (Mpe) Opper brail, fined Cable Strading (Mpe) Opper brail, fined Cable Strading (Mpe) Stranding File Cable Strading (Mpe) Opper brail, fined Cable Strading (Mpe) Strading Strading Binding Filesce, Foil Filesce, Foil Strading	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Institution (Cable Cable identification 796 Jacket Color green Type of Certificate CURus Annout Stranding 1 Stranding 4 wice around Core filter tweeted Cable shielding (coverage) 85 % Banding Filee C. Foll Filer 98 Banding Filee C. Foll Filer 98 Wite arrangement wite, yellow, blue, orange Traversing distance (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 3 Mio. @ 25 °C Cable weigh 89.3 g/m Material jacket PUR Shore hardness jacket 80 Shore A Freedom from ingredients (jacket) 16.7 mm Cabler weight 55 % Material jacket FINC Color (inter jacket) 6.7 mm Color (inter jacket) 14 mm Outer diameter (istackit) 14 mm Outer diameter (istackit) 15 % Shore hardness were insulation 14 stracouter diameter (istackit)	Conformity	
Cable identification796Jackel ColorgreenType of CarlifactionLPLosAmount stranding1Stranding4 wires around Core Iller i wistedCable shelding (type)copper braid, InnedCable shelding (type)59 %BandingPieces, FollFilleryseTraversing distance (C-track)5 m de 25 °CTraversing distance (C-track)5 m de 25 °CTraversing distance (C-track)5 m de 25 °CTraversing distance (C-track)3 Mio. eg 25 °CCable weight83,3 m/a Qe 25 °CTraversing distance (C-track)8 Mio. ye 25 °CTraversing distance (C-track)8 Mio. eg 25 °CTraversing distance (C-track)8 Mio. eg 25 °CCable weight83,3 m/a Qe 25 °CTraversing distance (C-track)8 Mio. eg 25 °CTraversing distance (Month)9 Shore ATraversing distance (Month)8 Shore ATraversing distance (Month)8 Shore ATraversing distance (Month)9 Shore ATraversing distance (Month)1 5 %Traversing distance (Month)1 5 %Cabler distance (Month)1 5 %Traversing distance (Month)1 5 Min CCabler distance wei insulation1 5 Min CCare distance wei insulation1 5 Min C <td>Product standard</td> <td>DIN EN 61076-2-101 (M12)</td>	Product standard	DIN EN 61076-2-101 (M12)
Jacket Color groon Type of Cartiticate CURus Anount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (type) twisterangement wite arrangement while, vallow, blue, orange Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) 3 Mio. @ 25 °C Cable weight 69.3 g/m Material jackod PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) 16a/ree, cadrium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6.7 mm Tolerance outer (jacket) 15 % Material indixion PE Amount twires 4 Outer diameter insulation 1.4 mm Outer diameter insulation 1.4 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 1.5 % Outer diameter insulation 1.5 % <td< td=""><td>Installation Cable</td><td></td></td<>	Installation Cable	
Jacket Color green Type of Certificate cURus Anount stranding 1 Stranding 4 wires around Coro filler twisted Cable shielding (type) capper braid, timed Cable shielding (coverage) 85 % Banding Fleace, Foil Wire arrangement White, vellow, blue, orange Travesing distance (C-track) 5 m @ 28 °C Cable weight 69.3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredents (jacket) 63.3 m/s @ 28 °C Cable weight 69.3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredents (jacket) 6.7 nm Tolerance ouler diameter (sheath) 1 5 % Material jacket PER Amount strands (vire) 7 nm Color (inver jacket) 6 5 Shore D Outer diameter (sheath) 1 5 % Material inver insulation 1 4 4 Outer diameter insulation 1 5 % Mater	Cable identification	796
Type of Certificate cURus Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (cype) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foll Filler yes wire arrangement while, yellow, bue, orange Traversing distance (C-track) 5 m@ 25 °C Traversing distance (C-track) 3 Mio. @ 25 °C Travel speed (C-track) 3 Jm @ 25 °C Cable weigh 63 Jm Material jacket PUR Shore hardness include 89 Shore A Freedom from ingredients (jacket) 6.7 mm Tolerance outer diameter (pleath) 1.5 % Material hard inter jacket FNNO Color (mar jacket) 0.47 mm Outer diameter insulation PE Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation 5.5 %r Shore hardness wire insulation 6.5 Shore D Immed of single wires 22 AWG	Jacket Color	
Amount stranding1Stranding4 wires around Core filler twistedCable shielding (coverage)85 %BandingFleece, FolFilleryeswire arrangementwhite, yellow, bue, orangeTraversing distance (C-track)5 m @ 25 °CTraversing distance (C-track)3.3 m @ 25 °CCable weigth69.3 g/mMaterial jacketFURShore hardness jacket89 Shore AFreedom from ingredients (jacket)6.7 mmTolerance outer diameter (behalt)1.5 %Outer diameter (backet)6.7 mmTolerance outer diameter (behalt)1.5 %Material jacketFPNCColor (inner jacket)7.7 mmTolerance outer diameter (behalt)1.5 %Outer diameter (backet)6.5 fore DColor (inner jacket)1.4 mmOuter diameter insulation1.4 mmOuter diameter insulation1.5 %Shore hardness wire insulation1.5 %Shore hardness vire insulation1.4 mmOuter diameter insulation1.5 %Shore hardness vire insulation1.4 mmOuter diameter insulation1.4 mmColor (inter gacket)7.0Diamater of single wires22 AWGConduct crossection (wire)22 AWGConduct crossection (wire)22 AWGConduct crossection (wire)5000 ML × kmNomina voltage AC max.500 VConduct crossection (wire)5000 ML × kmNomina voltage AC max.5000 VConduct cro	Type of Certificate	
Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, timed Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement while, yellow, blue, orange Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3 Mio. @ 25 °C Cable weight 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 (health) 4.5 % Material inner jacket FRNC Cable misulation PE Amount wires 4 Outer diameter insulation 1.4 mm Outer diameter insulation 1.5 % Shore harchess wire insulation 1.6 % Conduct crosssection (wire) 7 Diameter of single wires 2.2 AWG Conduct crosssection (wire) 2.4 WG Conduct crosssection (
Cable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, FolFillerye8wire arrangementwhite, yellow, blue, orangeTraversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3. Mio. @ 25 °CCable weigth69.3 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)69.7 mmTolerance outler diameter (sheath) \pm 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial inner jacketFRNCColor (inner jacket)naturMaterial inner jacketShore DOuter diameter insulation1.4 mmOuter diameter insulation1.5 %Shore for Core insulation1.5 %Shore for Core insulation1.5 %Shore for Core insulation1.5 %Outer diameter insulation1.5 %Shore for Core insulation1.5 %Shore for Core insulation1.5 %Shore for Core insulation1.5 %Shore for Core insulation1.5 %Conductor wire3.800 WCorrent lost dapacity (intrance)2.2 WGConductor wire3.800 WCorrent lost dapacity (intrance)1.0 M 12 ± 15 % (0.0 MHzConductor wire3.800 WCorrent lost dapacity (intrance)1.0 M 12 ± 15 % (0.0 MHzConductor wire3.800 WCorrent lost dapacity (intrance)1.0 M 12 ± 15 % (0.0 MHz		-
Cable shielding (coverage) 85 % Banding Fleece, Foll Flef yes wire arrangement white, yollow, blue, orange Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3.0 m @ 25 °C Travel speed (C-track) 3.3 m's @ 25 °C Cable weigh 63.3 g/m Material Jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (facket) lead-free, camuum-free, CFC-free, halogen-free, silicone-free Outer-diameter (iacket) 6.7 mm Tolerance outer diameter (ischet) 15 % Material inner jacket FIRC Color (marg jacket) natur Material inner jacket FIRC Color (marg jacket) 1.4 rmm Outer diameter tolerance core insulation 1.5 % Shore hardness wire insulation 165 % Diameter of single wires 22 AWG Conductor crossection (wire) 22 AWG Conductor vire Single 00 µ L km Norminal Vortage (wire - wire) 300 V Conauctor		
Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3.0 m @ 25 °C Travel speed (C-track) 3.0 m @ 25 °C Cable weigh 69.3 g/m Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-tree, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6.7 mm Tolerance outer diameter (sheath) 5 % Material inner jacket FINC Color (inner jacket) natur Material inner jacket FINC Color (inner jacket) natur Material inner jacket FINC Color (inner jacket) natur Material inner jacket FINC Color (inner jacket) 1.4 mm Outer diameter tolerance core insulation 1.4 mm Outer diameter (wire) 7 Diameter of single wires 22 AWG Conductor crossection (wire) 22 AWG Conductor crossection (wire) 22 AWG Conductor crossection (wire) 22 AWG Conductor wire Stranded copper wire, bare Log resistance <td></td> <td></td>		
Fileyeswire arangementwhite, yellow, blue, orangeTraversing distance (C-track)5 m @ 25 °CTravel speed (C-track)3, m's @ 25 °CCable weigh69.3 g/mMaterial JacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-tree, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6.7 mmTolerance outer diameter (sleater)5 %Material JacketFRNCColor (mer jacket)naturMaterial inner jacketFRNCColor (mer jacket)naturMaterial inner jacketFRNCColor (mer jacket)naturMaterial wires4Outer diameter (sleater)5 %Shore hardness wire insulation1.4 mmOuter diameter tolerance core insulation5 Shore DIngredient freenass wire insulation65 Shore DIngredient freenass wire insulation65 Shore DIngredient freenass wire insulation1.4 mmOuter diameter tolerance core insulation22 AWGConductor crosssection (wire)22 AWGConductor viresStanded Cooper wire, bareLoop resistance500 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DN VDE 0298-4Current load capacity (min. wire)4.8 ACharacteristic Impedance100 V ± 15 % @ 100 MHzElectrical resistance line constant (wire)21 W @ 60 sElectrical resistance line constant (wire)21 W		
while arrangementwhile, yellow, blue, orangeTraversing distance (C-track) $5 m @ 25 °C$ Travel speed (C-track) $3 Mio. @ 25 °C$ Travel speed (C-track) $3. Mis @ 25 °C$ Cable weigth $69.3 g/m$ Material jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (gacket) $6.7 mm$ Tolerance outer diameter (sheath) $\pm 5 %$ Material iner jacketFRNCColor (iner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter (slowath) $\pm 5 %$ Shore hardness wire insulation $1.4 mm$ Outer diameter (slowath) $\pm 5 %$ Shore hardness wire insulation $5 Shore D$ Ingredient freeness wire insulation $5 Shore D$ Ingredient freeness wire insulation $5 Shore D$ Ingredient freeness wire insulation $22 AWG$ Conductor crossection (wire) $22 AWG$ Conductor crossection (wire) $22 AWG$ Conductor crossection (wire) $20 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard) $5 NOR p = 0 ° CAG withstand voltage (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - wire)50000 pF/kmPower frequency withstand voltage (w$		
Traversing distance (C-track) $5 m @ 25 ° C$ Travel speed (C-track) $3.3 m \& @ 25 ° C$ Travel speed (C-track) $3.3 m \& @ 25 ° C$ Travel speed (C-track) $3.3 m \& @ 25 ° C$ Cable weigh $69.3 g m$ Material jacketPURShore hardness jacket 89 Shore AFreedom from ingredients (jacket) $6.7 mm$ Tolerance outer diameter (sheath) $\pm 5 \%$ Material inner jacketFRNCColor (inner jacket)naturMaterial inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEArnount wires4Outer diameter tolerance core insulation 1.5% Shore hardness wire insulation 65 Shore DIngredient freeness wire insulation 165% Shore hardness wire insulation 162% Conduct crossection (wire) $22 AWG$ Conductor crossesction (wire) $22 AWG$ Conductor wireStranded copper wire, bareLoop resistance $500 M M x m$ Nominal voltage AC max. $300 V$ Current load capacity (sinadard)to DIN VE 0298-4Current load capacity (sinadard)to DIN 21 5 % 0100 MHzElectrical resistance line constant wire $55 \Omega Km @ 20 ° C$ AC withstand voltage (wire - wire) $2KV @ 60 s$ Power frequency withstand voltage (wire - wire) $2KV @ 60 s$ Ac withstand voltage (wire - wire) $2KV @ 60 s$ Power frequency withstand voltage (wire - wire) $2KV @ 60 s$ Power frequency withstand vol	-	
Travel speed (C-track)3 Mio. @ 25 °CTravel speed (C-track)3,3 m/s @ 25 °CCable weigth69,3 g/mMaterial jacktPURShore 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 jiner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter loaleanton1,4 mmOuter diameter loaleanton± 5 %Shore hardness wire insulation14 5 %Ingredient freeness wire insulation65 Shore DIngredient freeness wire insulation16 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation22 AWGConductor crosssection (wire)22 AWGConductor crosssection (wire)22 AWGConductor vireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (istandard)to DIN VDE 0284.4Current load capacity (istandard)to DIN VDE 0284.4Current load capacity min. wire4.8 ACurrent load capacity min. wire55 $\Omega/km @ 20 °C$ AC withstand voltage (wire - wire)2 KV@ 60 sElectrical capacity line constant wire55 $\Omega/km @ 20 °C$ AC withstand voltage (wire - wire)2 KV@ 60 sElectrical capacity line constant	-	
Travel speed (C-track)3.3 m/s @ 25 °CCable 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 iner jacketFRNCColor (inner jacket)naturMaterial iner jacketFRNCColor diameter insulationPEAmount wires4Outer diameter insulation1.4 mmOuter diameter insulation1.5 %Shore bardness wire insulation65 Shore DOuter diameter insulation65 Shore DNore for glie wires22 AWGConduct crossection (wire)22 AWGConduct crossection (wire)22 AWGConduct rwireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (inter wire)2 k/W @ 60 sAC withstand voltage (wire - wire)2 k/W @ 60 sAC withstand voltage (wire - shield)2 k/W @ 60 sAC withstand voltage (wire - shield)2 k/W @ 60 s		-
Cable weight69.3 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 jacketFNNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter neulation1,4 mmOuter diameter core insulation65 Shore DShore hardness wire insulation65 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation22 AWGConductor or wires22 AWGConductor or wire22 AWGConductor wireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity min. wire4,8 ACharacteristic impedance100 Q ± 15 % @ 100 MHzElectrical resistance line constant wire55 Q/troAc withstand voltage (wire - wire)2 K/W @ 60 sCorrent load capacity min. wire4,8 ACharacteristic impedance1000 Q ± 15 % @ 100 MHzElectrical resistance line constant wire55 Q/troAc withstand voltage (wire - wire)2 K/W @ 60 sCorrent load capacity min. wire4,8 ACharacteristic impedance1000 Q ± 15 % @ 100 MHzElectrical resistance line constant wire55 Q/tro @ 05Ac withstand voltage (wire - wire)		
Material jacketPURShore hardness jacket99 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 %Shore hardness wire insulationlead-free, CFC-free, halogen-freeAmount wires22 AWGConductor crossection (wire)22 AWGConductor vireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity mire \pm 5 % @ 100 MHzElectrical resistance line constant wire55 QKm @ 20 °CAC withstand voltage (wire - wire) $2 kV @ 60 s$ AC withstand voltage (wire - shield) $2 kV @ 60 s$ AC withstand voltage (wire - shield) $2 kV @ 60 s$ Material constant wire50 Store @ 20 °CAC withstand voltage (wire - shield) $2 kV @ 60 s$ Nominal transference6000 PF.km		
Shore 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 inner jacketPEAmount wires4Outer diameter insulationPEAmount wires4Outer diameter tolerance core insulation 1.4 mmOuter diameter tolerance core insulation 1.5 %Shore hardness wire insulationfees Shore DIngredient treeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor cossection (wire)22 AWGConductor wireStranded copper wire, bareLop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (wire)2 AVG @ 0 0Characteristic impedance100 C ± 15 % @ 100 MHzElectrical resistance line constant wire5 Noum @ 20 °CAC withstand voltage (wire - wire)2 AVG @ 60 sElectrical capacity line constant (wire - wire)2 AVG @ 60 sMow they diver - withstand voltage (wire - shield)2 KV @ 60 sMin. operating temperature (static)-40 °C		
Freedom 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 insulation \pm 2 AWGConductor cossesciton (wire)7Diameter of single wires22 AWGConductor wireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)50/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical resistance line constant wire5000 pF/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sAc withstand voltage (wire - shield)2 kV @ 60 sMaterial compareture (static)40 °C	-	
Outer-diameter (jacket)6,7 mmTolerance outer diameter (sheath) \pm 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1,4 mmOuter diameter insulation \pm 5 %Shore hardness wire insulation \pm 5 %Ingredient freeness wire insulation \pm 5 %Dameter of single wires22 AWGConductor wires22 AWGConductor wireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity min. wire $4.8 A$ Characteristic impedance100 $\Omega \pm$ 15 % @ 100 MHzElectrical resistance line constant wire $55 \Omega Km @ 20 °C$ AC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire) $2 kV @ 60 s$ Ac withstand voltage (wire - shield) $2 kV @ 60 s$ Ac withstand voltage (wire - shield) $2 kV @ 60 s$ Ac withstand voltage (wire - shield) $2 kV @ 60 s$ Min. operating temperature (static) $40 °C$	·	
Tolerance outer diameter (sheath) \pm 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1.4 mmOuter diameter 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 crossection (wire)22 AWGMaterial conductor wireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Characteristic impedance100 Q ± 15 % @ 100 MHzElectrical resistance line constant wire55 $\Omega/Km @ 20 °C$ AC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMont spectance2 kV @ 60 sMin operating temperature (static)40 °C		
Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1,4 mmOuter diameter lolerance 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 crossection (wire)22 AWGMaterial conductor wireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 ACharacteristic impedance100 Q \pm 15 % @ 100 MHzElectrical resistance line constant wire55 QLKm @ 20 °CAC withstand voltage (wire - wire)2 kV@ 60 sElectrical capacity line constant (wire - wire)2 kV@ 60 sAC withstand voltage (wire - shield)2 kV@ 60 sAC withstand voltage (wire - shield)2 kV@ 60 sAC withstand voltage (wire - shield)2 kV@ 60 sMon operating temperature (static)-40 °C		·
Color (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1.4 mmOuter diameter insulation $\pm 5 \%$ 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 AWGConductor wireStranded copper wire, bareLoop resistance5000 MC × kmNominal voltage AC max.300 VCurrent Load capacity (standard)to DIN VDE 0298-4Current Load capacity (standard)to DIN VDE 0298-4Current Load capacity (wine)2 kV @ 60 sElectrical resistance line constant wire55 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire- wire)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMon that voltage (wire - shield)2 kV @ 60 sMaterial to ontage (wire - shield)2 kV @ 60 sMaterial to ontage (wire - shield)2 kV @ 60 sMon the compact (static)-40 °C		
Material wire insulationPEAmount wires4Outer diameter insulation1.4 mmOuter diameter insulation ± 5 %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 AWGConductor wireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)25 C/km @ 20 °CAC withstand voltage (wire - wire)2kV @ 60 sElectrical capacity line constant (wire - wire)5000 pF/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 s	<u> </u>	
Amount wires4Autor twires1,4 mmOuter diameter insulation1,5 %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, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (in wire)55 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)5000 0P F/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMaterial to voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 s		
Outer 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, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Characteristic impedance100 Q ± 15 % @ 100 MHzElectrical resistance line constant wire55 Q/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °C		
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, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Characteristic impedance100 Q $\pm 15 \%$ @ 100 MHzElectrical resistance line constant wire55 Q/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °C		
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, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Characteristic impedance100 Q ± 15 % @ 100 MHzElectrical resistance line constant wire55 Q/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °C		
Ingredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareLoop resistance5000 M Ω × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 Ω ± 15 % @ 100 MHzElectrical resistance line constant wire55 Ω /km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - aiked)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °C		
Amount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 ACharacteristic impedance100 $\Omega \pm 15 \% @ 100$ MHzElectrical resistance line constant wire55 $\Omega / km @ 20 °C$ AC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMaterial capacity temperature (static)-40 °C		
Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareLoop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \% @ 100$ MHzElectrical resistance line constant wire55 $\Omega/km @ 20 °C$ AC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 s	5	
Conductor crossection (wire)22 AWGMaterial conductor wireStranded copper wire, bareLoop resistance $5000 M\Omega \times km$ Nominal voltage AC max. $300 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4.8 A$ Characteristic impedance $100 \Omega \pm 15 \% @ 100 MHz$ Electrical resistance line constant wire $55 \Omega/km @ 20 °C$ 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) $2 kV @ 60 s$ Material capacity (stand) $2 kV @ 60 s$ AC withstand voltage (wire - shield) $2 kV @ 60 s$ AC withstand voltage (wire - shield) $2 kV @ 60 s$ Material capacity (stand) $2 kV @ 60 s$ Material capacity (stand) $2 kV @ 60 s$ AC withstand voltage (wire - shield) $2 kV @ 60 s$ Min. operating temperature (static)-40 °C	· · · · · · · · · · · · · · · · · · ·	
Material conductor wireStranded copper wire, bareLoop resistance $5000 \text{ M}\Omega \times \text{km}$ Nominal voltage AC max. 300 V Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8 \text{ A}$ Characteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 °C$ 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 Material capacity temperature (static) $-40 °C$		
Loop resistance5000 MQ × kmNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8$ ACharacteristic impedance $100 \Omega \pm 15 \% @ 100$ MHzElectrical resistance line constant wire $55 \Omega/km @ 20 °C$ 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) $-40 °C$		
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 Ω ± 15 % @ 100 MHzElectrical resistance line constant wire55 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °C		
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 Ω ± 15 % @ 100 MHzElectrical resistance line constant wire55 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 s	•	
Current load capacity min. wire4,8 ACharacteristic impedance $100 \Omega \pm 15 \% @ 100 \text{ MHz}$ Electrical resistance line constant wire $55 \Omega/\text{km} @ 20 °C$ AC withstand voltage (wire - wire) $2 \text{ kV } @ 60 \text{ s}$ Electrical capacity line constant (wire - wire) 50000 pF/km Power frequency withstand voltage (wire - shield) $2 \text{ kV } @ 60 \text{ s}$ AC withstand voltage (wire - shield) $2 \text{ kV } @ 60 \text{ s}$ Min. operating temperature (static)-40 °C	Nominal voltage AC max.	
Characteristic impedance100 Ω ± 15 % @ 100 MHzElectrical resistance line constant wire55 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)50000 pF/kmPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °C		to DIN VDE 0298-4
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) -40 °C		4,8 A
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) -40 °C	Characteristic impedance	
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) -40 °C		55 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (static)-40 °C		
jacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C		50000 pF/km
Min. operating temperature (static) -40 °C		2 kV @ 60 s
	AC withstand voltage (wire - shield)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C	Min. operating temperature (static)	-40 °C
	Max. operating temperature (fixed)	O° 08

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: 2024-05-14



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 torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/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: 2024-05-14