

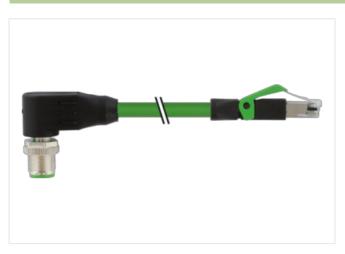
## M12 male 90° D-cod. / RJ45 0° shielded

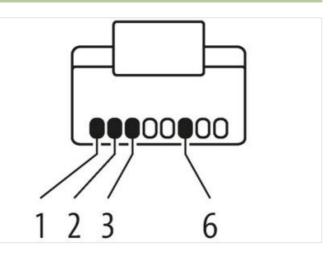
PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 18m

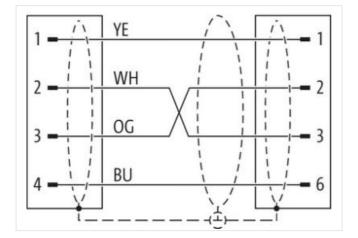
Product fulfills requirements according to UN/ECE R118 Ethernet CAT5 The resistance to aggressive media should be individually tested for your application. Further details on request. Male 90° – male straight M12 – RJ45, 4-pole D-coded shielded 8-pole partly used Transmission properties with channel transmission up to 100 m Further cable lengths on request. Plastic housings with good resistance against chemicals and oils.

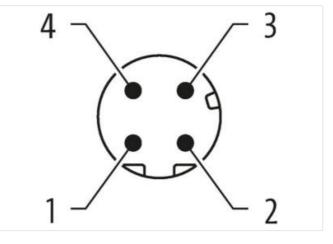
## Link to Product

## 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: 2024-06-26





Product may differ from Image



Cable length	18 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Family construction form	RJ45
Material	PUR
Degree of protection (EN IEC 60529)	IP20
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	4065909041901
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	1,5 A
Industrial communication	

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Transfer parameters

CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)

Industriat communication [ElectricatduplesDevice protection [ElectricatDevice protection [ElectricatBalid support [CS 0004]1Balid support [CS 0004]1Markan Jarou [CS 0004]1Markan Jarou [CS 0004]1Contour for orrugated rissoNokededContan (CS 0004]NokededContain (CS 0004]Nokeded Stating protection (CS 0004]Contain (CS 0004]Nokeded Stating protection (CS 0004]Contain (CS 0004]Nokeded Stating protection (CS 0004]Nota contain (CS 0004]Nokeded Stating protection (CS 0004]Nota contain (CS 0004]Nokeded Stating protection (CS 0004]Protection (CS 0004]Nokeded Stating Protection (CS 0004]Nota contain (CS 0004]Nokeded Stating Protection (CS 0004]Not		CAT5, Class D (ISO/IEC T1801.2002), (EN 50173-1)
applei:     Puidaplex       Device protection   lectricut       Device protection   lectricut       Rated surge voltage     1       Rated surge voltage     1       Mechanical discondition (Control discondition)     1       Mechanical discondition (Control discondition)     without       Control for corrugated hose     without       Mechanical distal Mounting distal     without       Mounting method     keeled       Control for corrupated hose     genording control for corrupated hose       Operating temperature max.     85 °C       Addition control for portante may.     85 °C       Note on stain field     Period: the connoctors by suitable measures from mechanical loads, o.g. by the usage of cable ites.       Note on stain field     Period: the connoctors by suitable measures from mechanical loads, o.g. by the usage of cable ites.       Control field bording code     genorial code for field bording code dode bording radii when layin	Data transmission rate max.	100 MBit/s
Device protection   ElectricalPolution Degree3Read surge voltes14Material group (EC 60054-1)1Methanical dataContrue for comparison (Electrical Action (Elect	Industrial communication   Ethernet fund	ctionality
Device protection   ElectricalPolution Degree3Read surge voltes14Material group (EC 60054-1)1Methanical dataContrue for comparison (Electrical Action (Elect	duplex	Full duplex
Polition Degree3Rated supp Voltage1 kVRated supp Voltage1 kVInternal group (IEG SOB6-1)1Internal group (IEG SOB6-1)whoutRechanical datawhoutRechanical dataVoltageMachanical dataNokeledLocking nokelingNokeledInternativalita2 for discassingMachanical data (Mouning data)Voltage data (Sober 1)Munting methodisented, screwed, Shaking protectionEnvironmental characteristics   Climativalita3 °COperating temperature max.85 °COperating temperature max.85 °CNote on schward (Sober 1)Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.Note on schward (Sober 1)Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.Note on schward (Sober 1)Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.Note on schward (Sober 1)Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.Note on schward (Sober 1)Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.Note on schward (Sober 1)Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.Note on schward (Sober 2)Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.Statiation CableProtect the permissible bending tradit when leying cables, as the IP protection class can be	·	
Bated spore voltage     1 kV       Material group (IEC 60864-1)     1       Machanical data     Image: spore spo		
Material group (IEC 606641)     I       Mechanical data     Value       Mechanical Material data     Value       Mechanical Material data     Zinc die casting       Mechanical data Mounting data     Zinc die casting representation       Environmental characteristics (Cimate     Operating temperature max.       Operating temperature max.     25 °C       Additional condition temperature range     depending on cable quality       Material rise     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Material rise     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii was as the radie of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Material rise     Values       Conternity     Values       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Material arise (Gable del file)     Material		
Mechanical data     without       Contour for compated hose     without       Mechanical data [Material data]     Contegrated hose       Cating locking material     Zine die-casting       Mechanical data [Monting data     Inserted, Stasking protection       Environmental characteristics [Climatic     Inserted, Stasking protection       Control inserted reams     26 °C       Operating temperature max.     85 °C       Addronal condition temperature rank     85 °C       Note on train neifed     Portect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable loss.       Contornity     Instrain neifed     Div Staffor 2-101 (M12)       Instrain field     Div Staffor 2-101 (M12)     Instrain neifer       Colds dominication     97 eo Candilication     98 °C       Colds dominication     98 °C     Instrain neifer       Type of Carlification     98 °C     Instrain neifer       Colds dominication		1 kV
Control roc originated hose     without       Control roc originated hose     Wickeid       Control roc originated hose     Wickeid       Control roc originated hose     Wickeid       Excendent material     Decendent material       Excendent material     25 °C       Operating temperature max.     25 °C       Note on strain rolled     Protext the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on strain rolled     Protext the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Protext tarder dollow     Detect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on strain rolled     Note No for2-2-101 (M12)       Excenter     Yes or Suitable measures from mechanical loads, e.g. by the usage of cable tes.       Cable identification     78       Cable identification     98       Cable identification     Gener and Core filler twisted       Cable identification     Si %		I
Mechanical foldsing     Nickeled       Locking material     Zinc dise assing       Mechanical foldsing data     Mechanical foldsing material       Mounting method     inserted, screwed, Shaking protection       Environmenta characteristics I Climatic     Environmenta characteristics I Climatic       Operating temperature max.     85 °G       Additional condition temperature may.     depending on cable quality       Important Installation notemperature may.     depending on cable quality       Important Installation notemperature may.     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable less.       Nate on schain (stal)     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable less.       Nate on schain (stal)     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable less.       Nate on schain (stal)     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable less.       Nate on schain (stal)     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable less.       Nate on schain (stal)     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable less.       Nate on schain (stal)     Protect the connectore by suitable measures from mechanical loads, e.g.	Mechanical data	
Cacking looking     Nickeled       Locking material     Zine dis-casting       Mechanical data   Mounting data     Niceled. Screwed, Shaking protection       Methanical characteristics   Climatu     Searda. Screwed, Shaking protection       Dynaming temperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Contromity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Tastalation Clabb     UBE No 1076-2-101 (M12)       Installation Scabe     UBE No 1076-2-101 (M12)       Instantiange Martin     White, yalow, blue,	Contour for corrugated hose	without
Locking material     Zinc die-casing       Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature man.     65 °C       Operating temperature man.     65 °C       Additional condition temperature range     depending on cable quality       Important installation notes     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 endingered by excessive bending forces.       Contomity     Product standurd     DIN EN 61076-2-101 (M12)       Wet arrangement     while, yellow, bue, orange     Cable identification       Type of Certificate     cdRus     Caple for addit (med)       Amount stranding     1     Stranding     Stranding       Filer     yes     Sys     Sys       Gable shielding (coverage)     85 %     Stranding       Gable shielding (coverage)     85 %     Stranding       Filer     yes     Yes	Mechanical data   Material data	
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic        Operating temperature max.     85 °C       Additional condition temperature may.     depending on cable quality       Important installation network        Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ontangered by excessive bending forces.       Conformity     Environmental Condition temperature max.       Product standard     DIN EN 61076-2-101 (M12):       Installation (Cable     UNE N 61076-2-101 (M12):       Installation (Cable     DIN EN 61076-2-101 (M12):       Installation (Cable     Multe, yellow, blue, orange       Cable distilification     796       Jackat Color     green       Type of Certificate     CURUs       Anount stranding     1       Stranding     4 wires around Core filter twisted       Cable shelding (coverage)     85 %       Banding     Pilece, Foil       Fililer     yes	Coating locking	Nickeled
Mounting method     inserted, screwed. Shaking protection       Environmenial characteristics (Climatic     -25 °C       Operating temperature man.     65 °C       Operating temperature man.     68 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Important installation notes       Note on barding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contomity     Theotor 15 20 (M12)       Product standard     DN IEN 61076-2-101 (M12)       Installation (Cable     UPIEN 61076-2-101 (M12)       Installation (Cable     Green       Cable identification     796       Cable identification     976	Locking material	Zinc die-casting
Mounting method     inserted, screwed. Shaking protection       Environmenial characteristics (Climatic     -25 °C       Operating temperature man.     65 °C       Operating temperature man.     68 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Important installation notes       Note on barding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contomity     Theotor 15 20 (M12)       Product standard     DN IEN 61076-2-101 (M12)       Installation (Cable     UPIEN 61076-2-101 (M12)       Installation (Cable     Green       Cable identification     796       Cable identification     976	Mechanical data   Mounting data	
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Note on bonding radius     Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endingered by excessive bending forces.       Contormity     Protect standard     DIN EN 61076-2-101 (M12)       Installation I Cable     use arrangement     white, yellow, blue, orange       Cable identification     796     added Color       Type of Certificate     cUBrus     Amount stranding       1     Stranding     4 wices around Core filler twisted       Cable shielding (type)     coper braid, tinned     cable shielding (type)       Cable shielding (type)     S5 %     Banding     Filecee, Foll       Filer     yes     Store flar measures protection class strain strain strain strain strain protection     5 %       Banding <t< td=""><td></td><td>incorted acrowed Shelving protection</td></t<>		incorted acrowed Shelving protection
Operating temperature max.     25 °C       Operating temperature max.     85 °C       Addition condition temperature range     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 stain 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 endangered by excessive bending forces.       Conformity     Protect standard     DIN EN 61076-2-101 (M12)       Installation (Cable     units (specific action (specif	-	
Operating temperature max.     85 °C       Additional condition temperature range     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 banding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contornity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation [ Cable     while, yellow, blue, orange       Cable identification     796       Cable identification     96       Cable strieding (type)     copper braid, tinned       Cable weighth	Environmental characteristics   Climatic	
Additional condition temperature range     depending on cable quality       Important installation notes     Mote 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 endangered by excessive bending forces.       Contomity     Product standard     DIN EN 61076-2-101 (M12)       Installation [ Cable     white, yellow, blue, orange     Cable identification     796       Qable diethtification     796     Qamount Stranding     1       Stranding     4 wires around Core filler twisted     Qamount Stranding     1       Stranding     4 wires around Core filler twisted     Qable Stranding     1       Stranding     4 wires around Core filler twisted     Qable Stranding     Stranding     Stranding     1       Filer     yes     Stranding     Fleece, Foil     Stranding	· · · ·	
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 endenged by excessive bending forces.       Conformity     DIN EN 61076-2-101 (M12)       Installation [ Cable     white, yellow, blue, orange       Cable identification     796       Cable identification     796       Jocket Color     green       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires around Core filler twisted       Cable shielding (type)     copper braid, finned       Cable shielding (coverage)     85 %       Banding     Fileece, Foil       Filer     yes       wire arrangement     white, yellow, blue, orange       Cable shielding (coverage)     85 %       Banding     Fileece, Foil       Filer     yes       wire arrangement     white, yellow, blue, orange       Cable weigth     69.3 g/m       Material jacket     PUR       Shore hardn		
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 parmissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     write arrangement     white, yellow, blue, orange       Cable identification     796       Jacket Color     green       Type of Cartificate     CPUs       Anount stranding     1       Stranding     4 wires around Core filer twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     85 %       Banding     Fleece, Foil       Filer     yes       Write rangement     white, yellow, blue, orange       Cable shielding (type)     69.3 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     6.7 mm       Outer diameter (jacket)     15 %       Material inner jacket     FRNC       Color (more jacket)     5 %	Additional condition temperature range	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       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 weigth     99.3 g/m       Material jacket     PUR       Shore hardness jacket     99 Shore A       Freedom from ingredients (jacket)     6.7 mm       Tolerance outer diameter (sheath)     1.5 %       Atterial wrie insulation     PE       Amount strianding     1.5 %	Important installation notes	
Nucle of Dischilling radius     endangered by excessive bending forces.       Contentity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     white, yellow, blue, orange       Cable identification     796       Jacket Color     green       Ype 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       Filer     yes       wire arrangement     white, yellow, blue, orange       Cable weigth     99.3 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)     5 %       Golor (marg 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 uter diameter (sheath)     1.5 %	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard     DIN EN 61076-2-101 (M12)       Installation J Cable       wire arrangement     white, yellow, blue, orange       Cable identification     796       Jacket Color     green       Type of Certificate     cUBus       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       writer arrangement     white, yellow, blue, orange       Cable weigth     69,3 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     ed-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     6,7 mm       Tolerance out (rid diameter (sheath)     ± 5 %       Material inner jacket     FRNC       Color (inner jacket)     natur       Material inner jacket     FRNC       Color (inner jacket)     natur       Material inner jacket     FRNC	Note on bending radius	
Installation   Cable       wire arrangement     while, yellow, blue, orange       Cable identification     796       Jacket Color     green       Type of Certificate     cJRus       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     while, yellow, blue, orange       Cable shielding (coverage)     85 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     while, yellow, blue, orange       Cable weight     89,3 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     6,7 mm       Coler (igacket)     6,7 mm       Coler (inter jacket)     78%       Material inner jacket     FRNC       Color (inner jacket)     natur       Material inner insulation     PE       Amount	Conformity	
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       wrire arrangement     while, yellow, blue, orange       Cable weigh     69,3 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     ed-free, cadmim-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       Amount wires     4       Outer diameter insulation     1,4 mm       Outer diameter insulation     1,4 mm       Outer diamet	Product standard	DIN EN 61076-2-101 (M12)
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Cable identification796Jacket ColorgreenType of CertificatecURusAmount stranding1Stranding4 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arrangementwhite, yellow, blue, orangeCable shielding (tacket)69,3 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)6,7 mmTolerance outer diameter (sheath)± 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial inver jacketFRNCColor (inner jacket)1,4 mmOuter diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation1,5 %Shore hardness wire insulation65 Shore D	·	white yellow hive orange
Jacket ColorgreenType of CertificatecURusAmount stranding1Stranding4 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arangementwhite, 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)PEAmount wires4Outer diameter insulationPEAmount wires5 %Shore bardness wire insulation1.4 mmOuter diameter insulation1.5 %Shore bardness wire insulation5 Shore D		
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)6,7 mmTolerance outer diameter (sheath)± 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulation4Outer diameter tolerance core insulation4.5 %Shore hardness wire insulation1,4 mmOuter diameter tolerance core insulation4.5 %Shore hardness wire insulation65 Shore D		
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Stranding4 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 wire insulationPEAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation5 Shore D		
Cable 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 tolerance core insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore D	-	
Cable 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 tolerance core insulation± 5 %Shore hardness wire insulation5 Shore D		
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Material 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 tolerance core insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore D	-	69,3 g/m
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 wire insulationPEAmount wires4Outer diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore D	Material jacket	PUR
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Tolerance outer diameter (sheath)± 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore D	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore D	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 D	Tolerance outer diameter (sheath)	±5%
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	Material inner jacket	FRNC
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Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore D	Material wire insulation	PE
Outer diameter tolerance core insulation ± 5 %   Shore hardness wire insulation 65 Shore D	Amount wires	4
Shore hardness wire insulation 65 Shore D	Outer diameter insulation	1,4 mm
	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free	Shore hardness wire insulation	65 Shore D
	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free

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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
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
Isolation resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	0° 08
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

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