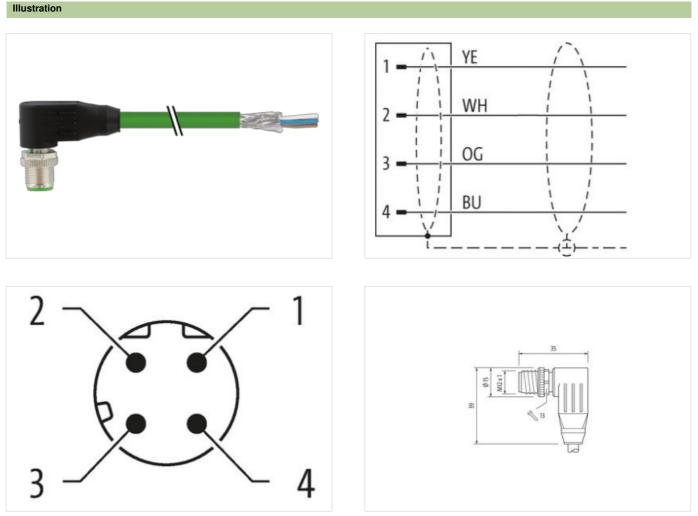


## M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 17m

Ethernet CAT5 Male 90° M12, 4-pole D-coded shielded Transmission properties with channel transmission up to 100 m 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



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: 2024-05-21







Ether CAT.

EtherNet/IP

PROFI	
TNET	<u>PROFI</u> ® NET

Cable length	17 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
Side 2	
Stripping length (jacket)	20 mm
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	4048879693479
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 fur	nctionality
duplex	Full duplex
Installation   Connection	
Stripping length (jacket)	20 mm
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)	

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Mechanical data

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Cauling Locking     Nickuloid       Cauling Locking material     Zin de casafing       Material scow connoction     Zin de casafing       Hochanicati data Hounting data     Insertud, scrwwd, Shaking protection       Extremental characteristics   Climatie     Zin de casafing       Coording temporature max.     85 °C       Additional condition temporature may.     85 °C       Additional condition temporature may.     85 °C       Note on strain notiof     Protect the connectors by suitable measures from mechanical loads, o.g. by the usage of cable loss.       Additional condition temporature may.     Additional protect the connectors by suitable measures from mechanical loads, o.g. by the usage of cable loss.       Note on strain notiof     Protect the connectors by suitable measures from mechanical loads, o.g. by the usage of cable loss.       Contronity     Herrotics: Concerve the permissible bending futi when laying cables, as the IP protection class can be eddingenetic.       Coladi distriction     796       Coladi distriction     796       Coladi distriction     796       Coladi distriction     796       Cable distriction     796       Cable distriction     796       Cable distroting (typ)     copper train district	Contour for corrugated hose	without
Casting of fitting     nickle jated       Lodking material     Zino die-casting       Material screw connection     Zino die-casting       Multing mothod     inserted, sorewed, Shaking protection       Exvironmental characteristics [Climatic     Coperating temperature min.       Operating temperature max.     85 °C       Additional condition tempesture range     depending on cable quality       Important installation notes     Attention: Observe the permissible banding radis when laying cables, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, e.g. by the usage of cable lise.       Note on bending radius     Attention: Observe the permissible banding radis when laying cables, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as on-Adition (Seco	Mechanical data   Material data	
Casting of fitting     nickle jated       Lodking material     Zino die-casting       Material screw connection     Zino die-casting       Multing mothod     inserted, sorewed, Shaking protection       Exvironmental characteristics [Climatic     Coperating temperature min.       Operating temperature max.     85 °C       Additional condition tempesture range     depending on cable quality       Important installation notes     Attention: Observe the permissible banding radis when laying cables, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, e.g. by the usage of cable lise.       Note on bending radius     Attention: Observe the permissible banding radis when laying cables, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as the IP protection class can be on-adiagenred by suitable measures from mechanical loads, as on-Adition (Seco	Coating locking	Nickeled
Lodsing material     Zinc die-casting       Material sciew connection     Zinc die-casting       Mouning method     inserted, screwed, Shaking protection       Environmental characteristics   Climate     Coperating temperature min.     -25 °C       Operating temperature min.     -25 °C     Coperating temperature max.     85 °C       Additional condition temperature may.     65 °C     Coperating temperature max.     85 °C       Additional condition temperature may.     65 °C     Coperating temperature max.     85 °C       Additional condition temperature may.     65 °C     Commental characteristics (Climate       Note on scial netion     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tells.       Note on bending radius     Attention: Conserve the permitte bending radiu when laying cables, as the IP protection class can be endingerod by accessive bending forces.       Contormity     Product standard     DIN EN 61076 2-101 (M12)       Installation 1 Gabie     uite arrangement     white, yellow, blue, orange       Cable denditionston     766     Cole       Standing     1     Standing     1       Standing     4 wites acound Core IIIer twistod     Cable shellsting (c		
Material screw connection     Zinc de-casting       Mechanical data   Mounting method     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temporature min.     25 °C       Operating temporature max.     85 °C     Additional condition temperature range     depending on cable quality       Important installation notes     Mote on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Note on stain 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.       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.       Note on strain relief     DIN EN 61076-3-101 (M12)       Installation (Sabe     Gable strain relief weak arrangement       Valee arrangement     while, yellow, blue, orange       Cable distreling (coverage)     59 %		•
Backanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climate     Coperating temperature max.     45 °C       Operating temperature max.     65 °C     Commental characteristics   Climate       Mounting temperature max.     65 °C     Commental characteristics   Climate       Protect meresture range     depending on cable quality     Commental characteristics   Climate       Note on stain rollel     Protect the commentances beending radii when laying cables, as the IP protection class can be on dimigened by encessive beending fores.       Conternity     Venduat standard     DIN EN 1076-2-101 (M12)       Installation (Cable     green     Collection       Type of Courtificate     cuRes     Collection       Anount stranding     1     Cable classification     76       Cable classification     766     Collection     Collection       Type of Courtificate     cuRes     Collection     Collection       Addition (Gable     green     Collection     Collection     Collection       Stranding     1     Collection     Collection     Collection     Collection     Colection     Colection     Cole		5
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Comparing resperature main.     45 °C       Operating temperature max.     65 °C     Comparing resperature max.     65 °C       Additional condition temperature may.     depending on cable quality     Important installation notes       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 tradii.       Environmity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Nate on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending from suitables, as the IP protection class can be endangered by excessive bending from suitables, as the IP protection class can be endangered by excessive bending from suitables, as the IP protection class can be endangered by excessive bending from suitables, as the IP protection class can be endangered by excessive bending from suitables, as the IP protection class can be endangered by excessive bending from suitables, as the IP protection class can be endangered by excessive bending from suitables, as the IP protection class can be endangered by excessive bending from suitables, as the IP protection class can be endangered by excessive bending from suitables, as the IP protection class can be endangered by e		, and the second s
Environmental characteristics ( Climatic       Operating temperature min.     -25 °C       Additional condition temperature mage     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on strain reflef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on banding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation Cable     white, yellow, blue, orange     Cable identification       796     Cable identification     796       Jacket Color     green     Type of Certificatia     URus       Armount stranding     1     Stranding     Cable identification       1796     Cooper braid, timed     Cable shelding (type)     Cooper braid, timed       Cable shelding (type)     Cooper braid, timed     Cable shelding (type)     Cooper braid, timed       Cable shelding (type)     Cooper braid, timed     Cable shelding (type)     Cooper braid, timed       Cable shelding (type)     Co		issanted corouged Chalving protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition imperature max.     85 °C       Additional condition imperature max.     85 °C       Mole on strain relief     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.       Concomity     Endoting the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Defaultion Cable     Endoting the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Mine anangement     while, yallow, blue, orange     Cable identification       Type of Coefficial     cuFaus     Cable identification       Type of Coefficial<	-	inserted, screwed, Snaking protection
Operating temperature max.     85 °C       Additional condition temperature maye     depending on cable quality       Important installation notes     Note on stain field       Note on stain field     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on stain field     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangement by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Concernity     Installation (Cable       View arrangement     while, yellow, blue, orange       Cable identification     796       Jacket Cohr     green       Type of Certificate     cuFus       Cable identification     796       Jacket Cohr     green       Type of Certificate     cuFus       Cable shielding (type)     coppor braid, tinned       Cable shielding (coverage)     85 %       Banding     Fleece, Foll       File     yes       Write arrangement     white, yelow, blue, orange       Cable weigh     63.3 g/m       Material jacket     PUR       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-	· ·	
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 less.       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       wire arrangement     while, yellow, blue, orange       Cable identification     796       Jacket Color     green       Type of Certificate     CUFus       Amount stranding     1       Stranding     4 wires around Core filler twisted       Cable scheding (overage)     85 %       Banding     Fileere, Foil       Filer     yes       wire arrangement     white, yellow, blue, orange       Cable scheding (overage)     85 %       Banding     Fileere, Foil       Filer     yes       wire arrangement     white, yellow, blue, orange       Cable scheding (overage)     85 %       Banding     Fileere, Foil       Filer     yes		
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 successive bending forces.       Conformity     Product standard       Product standard     DIN EN 61078-2101 (M12)       Installation (Cable     wite arrangement       wite arrangement     white, yellow, blue, orange       Cable coloring     green       Type of Cartificate     cJPus       Amount stranding     1       Stranding     4 wires around Core filter twisted       Cable shielding (toverage)     85 %       Banding     Fleece, Foil       Filter     yes       wire arrangement     white, yellow, blue, orange       Cable weighth     69.3 grm       Material jacket     PUR       Shore hardness jacket     99 Shore A       Freedom from ingredients (acket)     1.6 min       Outer diameter (jacket)     1.6 min       Outer diameter (jacket)     1.6 min       Outer diameter (jacket)     1.6 min		
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 be endangered by excessive bending forces.       Contormity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     While, yellow, blue, orange     Cable identification     796       Gable identification     796     Cable     Cable identification     796       Type of Cartificate     CUPus     Cable     Cable identification     796       Stranding     4 writes around Core filler twisted     Cable shielding (pore)     copper bried, finned       Cable shielding (pore)     copper bried, finned     Stranding     Fileer, Foil     File       View arrangement     white, yellow, blue, orange     Cable shielding (pore)     Strandium free, CFC-free, halogen-free, slicone-free       Outer-diameter (gabet)     93 g/m     File     Strandium free, CFC-free, halogen-free, slicone-free       Outer-diameter (gabet)     92 %     Strandium free, CFC-free, halogen-free, slicone-free       Outer-diameter (sheath)     4 5 %     Strandium free, CFC-free, halogen-free, slicone-free  <	Additional condition temperature range	depending on cable quality
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.       Product standard     DIN EN 61076-2-101 (M12)       Installation [ Cable     wine arrangement     white, yellow, blue, orange       Cable identification     796	Important installation notes	
Note of balancy faculas     endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation [Cable     Installation [Cable]       wire arrangement     while, yellow, blue, orange       Cable identification     796       Jacket Color     green       Type of Carlificate     CURus       Amount stranding     1       Stranding     4 wires around Core filter twisted       Cable shielding (type)     cooper braid, finned       Cable shielding (type)     cooper braid, finned       Cable shielding (type)     ooper braid, finned       Cable shielding (type)     so so       wire arangement     white, yellow, blue, orange       Barding     Fleece, Foil       Friedor from ingredients (jacket)     Ba Shore A       Bore hardiness jacket     By Shore A       Tolerance outer diameter (sheath)     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   Cable       wire arrangement     white, yellow, blue, orange       Cable identification     796       Jacket Color     green       Type of Cartificate     cURus       Amount stranding     1       Stranding     4 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     85 %       Banding     Fleece, Foil       Fillor     yes       wrie arrangement     white, yellow, blue, orange       Cable weigth     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 (sloath)     ± 5 %       Material inner jacket     FFINC       Color (inner jacket)     natur       Material inner jacket     FFINC       Color (inner jacket)     1.4 mm       Outer diameter (sloath)     ± 5 %       Shore hardness wire insulation     1.4 mm	Note on bending radius	
Installation (Cable       wire arrangement     while, yellow, blue, orange       Cable identification     796       Jacket Color     green       Type of Cartificate     cURus       Amount stranding     1       Stranding     4 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     85 %       Banding     Fileece, Foil       Filler     yes       wire arrangement     while, yellow, blue, orange       Cable weight     69.3 g/m       Material jacket     PUR       Shore hardness jackat     89 Shore A       Freadom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6.7 mm       Tolerance outer diameter (jacket)     6.7 mm       Tolerance outer diameter (jacket)     natur       Material inner jacket     FRNC       Color (inner jacket)     natur       Material inner jacket     FRNC       Color (inner jacket)     natur       Material inner jacket     FRNC	Conformity	
Installation   Cable       wire arrangement     while, yellow, blue, orange       Cable identification     796       Jacket Color     green       Type of Cartificate     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     while, yellow, blue, orange       Cable veight     69.3 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freadom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6,7 mm       Tolerance outer diameter (jacket)     6,7 mm       Color (mer jacket)     FRNC       Color (mer jacket)     FRNC       Color (mer jacket)     natur       Material inner jacket     FRNC       Color (mer jacket)     natur       Material inner jacket     FRNC       Color (mer jacket)<	Product standard	DIN EN 61076-2-101 (M12)
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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     69.3 g/m       Material jacket     PUR       Shore hadroess 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     1,4 mm       Outer diameter tolerance core insulation     1,4 mm       Outer diameter tolerance core insulation     1,4 mm       Outer diameter insulation		white vellow hlue orange
Jacket ColorgreenType of CertificatecURusAmount stranding1Stranding4 wires around Core filler twistedCable shielding (type)copper braid, timedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arrangementwhite, yellow, blue, orangeCable shielding (acket)69.3 g/mMaterial JacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)6.7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires4Outer diameter (isolation1.4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation5 Shore DIngredient service22 AWGConductor wire52 AWGConductor wire22 AWGConductor wireStarded copper wire, bareMaterial indeg & Cmax.300 VCurrent load capacity (standard)to DIN VDE 0298-4		
Type of CertificateCURusAmount stranding1Stranding4 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFileece, FoilFilleryeswire arrangementwhite, yellow, blue, orangeCable weigth69.3 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadnium-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 bardness wire insulation± 2 AWGConductor orisesection (wire)22 AWGConductor oriveStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4		
Amount stranding1Stranding4 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arrangementwhite, yellow, blue, orangeCable weigth63.3 g/mMaterial jacketPURShore hardness jacket89 Shore AFreadom 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 insulation65 Shore DIngredient free, CFC-free, halogen-freeAmount wires4Outer 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 wires22 AWGConductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4		-
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 weigth   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 %     Material inner jacket   FRNC     Color (inner jacket)   natur     Material wire insulation   PE     Amount wires   4     Outer diameter tolerance core insulation   1.4 mm     Outer diameter tolerance core insulation   1.5 %     Shore hardness wire insulation   65 Shore D     Ingredient freemess wire insulation   lead-free, CFC-free, halogen-free     Amount strands (wire)   7     Diameter of single wires   22 AWG     Conductor wire   Stranded copper wire, bare     Material conductor wire   Strand		
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)67, mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires4Outer diameter insulation1,4 mmOuter diameter insulation± 5 %Shore D1,4 mmOuter diameter or logients wire insulation£ 5 %Shore D1Ingredient freeness wire insulation1 & 4 mmOuter diameter or logient or logient or logient free1Material insulation1 & 2 %Material insulation1 & 2 %Shore hardness wire insulation1 & 4 mmOuter diameter insulation1 & 4 mmOuter diameter insulation1 & 2 %Ingredient freeness wire insulation1 & 2 %Shore hardness wire insulation1 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 &		
Cable shielding (coverage)   85 %     Banding   Fleece, Foil     Filler   yes     wire arrangement   white, yellow, blue, orange     Cable weigth   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 %     Material iner 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 diameter 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 orssection (wire)   22 AWG     Conductor wire   Stranded copper wire, bare     Norminal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4		
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 insulation65 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation1ead-free, CFC-free, halogen-freeAmount strads (wire)7Diameter of single wires22 AWGConductor wiresStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4		••
Filleryeswire 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 insulation55 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation65 Shore DIngredient freeness wire insulation22 AWGConductor crosssection (wire)22 AWGConductor rosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4		Fleece, Foil
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)± 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulation165 Shore DIngredient foreness wire insulation18 Shore AOutcr diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4	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     Amount 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   1ed-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	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 mmTolerance outer diameter (sheath)± 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire 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 0298-4	Cable weigth	69,3 g/m
Freedom 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 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 0298-4	Material jacket	PUR
Outer-diameter (jacket)6,7 mmTolerance 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 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 0298-4	Shore hardness jacket	89 Shore A
Tolerance outer diameter (sheath)± 5 %Material inner jacketFRNCColor (inner jacket)naturMaterial wire insulationPEAmount wires4Outer diameter insulation1.4 mmOuter diameter of single wires5 %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 0298-4	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 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 0298-4	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 0298-4	Tolerance outer diameter (sheath)	± 5 %
Material 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 0298-4	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 0298-4	Color (inner jacket)	natur
Outer 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 0298-4	Material wire insulation	PE
Outer 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 0298-4	Amount wires	4
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 0298-4		·
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 0298-4		
Amount 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 0298-4		
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		-
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		
Material conductor wire Stranded copper wire, bare   Nominal voltage AC max. 300 V   Current load capacity (standard) to DIN VDE 0298-4		
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		
	Current load capacity min. wire	4,8 A

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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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