

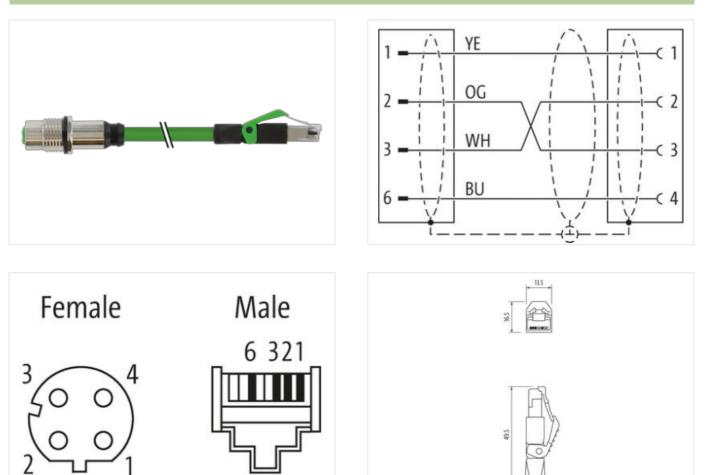
## M12 fem. recept. D-cod. rear/RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA 3m

Ethernet CAT5 Plastic housings with good resistance against chemicals and oils. Flange female straight – male straight M12 – RJ45, 4-pole D-coded Halogen-free-Material shielded 8-pole partly used Rear mounting Transmission properties with channel transmission up to 100 m Further cable lengths on request.

## Link to Product

Illustration



Product may differ from Image



The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Cable length	3 m	
Side 1		
Tightening torque	0,6 Nm	
Family construction form	M12	
Thread	M12 x 1	
suitable for corrugated tube (internal $\emptyset$ )	10 mm	
Coding	D	
Material	PUR	
Degree of protection (EN IEC 60529)	IP67	
Side 2		
Coating head	nickel plated	
Family construction form	RJ45	
Material	Brass	
Degree of protection (EN IEC 60529)	IP20	
Commercial data		
ECLASS-6.0	27061801	
ECLASS-6.1	27279220	
ECLASS-7.0	27440103	
ECLASS-8.0	27440103	
ECLASS-9.0	27440103	
ECLASS-10.1	27440103	
ECLASS-11.1	27440103	
ECLASS-12.0	27440103	
ETIM-5.0	EC002599	
customs tariff number	85444290	
GTIN	4048879539104	
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		
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)	
Data transmission rate max.	100 MBit/s	
Industrial communication   Ethernet functionality		
duplex	Full duplex	
Installation   Connection	· ···	
Mounting set Family construction form	M16 x 1.5 M12	
Width across flats	SW19	
Device protection   Electrical		
Protection NEMA	3, 4, 6P	
Pollution Degree	3	
Rated surge voltage	1 kV	
Material group (IEC 60664-1)	I	
Mechanical data   Material data		
Coating locking	nickel plated	
Locking material	Brass	
Mechanical data   Mounting data		
Mounting method	inserted, screwed	

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

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Additional condition temperature range     depending on cable quality       Important Installation noise     Installation noise       Note on train risk     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee, and and end end and end end end end end end end end end e	Environmental characteristics   Climatic	
Additional condition temperature range     depending on cabile quality       Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable loss.       Note on bending radius     Attention: Cibrary the particulable bending radii when linying cables, as the IP protection class can be disagened by encessive bending forces.       Contornity     Product tandard       Din En 1076-2-101 (M12)     Approvals       Listication (Cable     yes       Installation (Cable     yes       Installation (Cable     UPUR       Approval     UPUR       Jacker Color     green       Type of Cartificata     UPUR       Anomati stranding     1       Stranding     Veces, Foll       Filler     yes       Cable shielding (coverage)     85 %       Banding     Fleece, Foll       Filler     yes       Cable water and the yes     Stranding       Type of Cartificata     89 %       Banding     Fleece, Foll       Filler     yes       Cable water and the yes water anding water and the yes     Stranding	Operating temperature min.	-25 °C
Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cabbe lies.       Note on bording radius     Attention: Observe the permissible bending nadiu when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard       Poduct standard     DNE NG 1076 2-101 (M12)       Approxis     Vite NG 1076 2-101 (M12)       Approxis     Vite NG 1076 2-101 (M12)       Cable identification     784       Cable identification     784       Cable identification     784       Cable identification     978       Cable identification     978       Cable identification     0.000 For Inford       Strandardy     4 wires around Filter wisted       Cable identification     0.000 For Inford       Strandardy     98 %       Banding     Filceo, Foil       Filer     98       Vite weight     75.87 gm       Material jackot     PUR       Strandardses jacket     Filko       Cable identification     98       Cable identification     95.87 gm       Material jackon <td>Operating temperature max.</td> <td>85 °C</td>	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 ties.       Note on bending radius     Attention: Observe the permissible bending tradi when laying cables, as the IP protection class can be endangered by accessive bending tradi when laying cables, as the IP protection class can be endangered by accessive bending tradit when laying cables, as the IP protection class can be endangered by accessive bending tradit when laying cables, as the IP protection class can be endangered by accessive bending tradit when laying cables, as the IP protection class can be endangered by accessive bending tradit when laying cables, as the IP protection class can be endangered by accessive bending tradit when laying cables, as the IP protection class can be endangered by accessive bending tradit when laying cables, as the IP protection class can be endangered by accessive bending tradit when laying cables, as the IP protection class can be endangered by accessive bending tradit by accessive bending tradit by accessive based.       We arrangement     white, yellow, blue, orange       Cable strainfing (type)     coper brainf, finned       Cable strainfing (type)     coper brainf, finned       Cable strainfing (type)     songered brainf, finned       Cable strainfing (type)     songered brainf, finned       Cable strainfing (type)     songered brainfing tradit by accessive brainfing tradit by acces	Additional condition temperature range	depending on cable quality
Ante on bending radius     Attention: Observe the permissible banding radii when laying cables, as the IP protection class can be and angured by excessive banding loces.       Conternity     Product standard     DIN EN 61076-2-101 (M12)       Approvals     UL 50E     yee       Installation (Cable     with a yallow, blue, orange     Cable identification       Zable identification     794     Zable identification     Zable identification       Type of Carlificate     UPlus     Cable identification     Zable identification       Stranding     1     Stranding     Stranding     Zable identification     Zable identifica	Important installation notes	
Notion Instruction     endangine by excessive bending forces.       Contornity     endangement (NE SUP	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 61078-2-101 (M12)       Approvals     ye       UL 50E     ye       Installation [Cable     ye       wina arrangement     white, yellow, blue, orange       Cable identification     784       Jacket Color     green       Type of Certificate     CJFUs       Annout stranding     1       Stranding     4 wires around Filler twisted       Cable shelding (type)     copper braid, tinned       Cable shelding (type)     spece, Foil       Filter     ye       Witter shelding (type)     spece, Foil       Filter     yes       Stranding and (type)     spece, Foil       Cable sheldin thereindinter (type)     form	Note on bending radius	
Approvais     yes       Installation   Cable     yes       Cable identification       Statument         Value a arrangement       while, yellow, blue, orange       Cable identification       794       Jacket Color       green         Type of Certificate       UL 10/10       Amount stranding       1       Stranding       4 wires around Filler twisted       Cable shielding (type)     copper braid, timed       Cable weight     75.87 g/m       Wire arrangement     white, yellow, blue, orange       Cable weight     75.87 g/m       Material jackot     PUR       Shore hardness igckat     B9 Shore A       Freedom from ingelents (gacket)     6.7 mm       Tolerance outer diameter (selent)     ± 5 %       Material vire insulation     PE       Anount wires     4       Outer diameter insulation     ± 5 %	Conformity	
UL 56E     yes       Institution   Cable     white, yellow, blue, orange       Cable identification     794       Jacket Color     green       Type of Certificatie     cUPus       Anounis stranding     1       Stranding     4 wires around Filler twisted       Cable shelfding (type)     copper brail, finned       We arrangement     white, yellow, blue, orange       Weite arrangement     white, yellow, blue, orange       Cable weight     75,87 g/m       Materal jacket     PUR       Shore hardness jacket     88 Shore A       Freedom from ingredients (jacket)     Feadom famel (metal)       Outer diameter (igaket)     6,7 mm       Tolarance outer diameter (isaket)     5 %       Materal jacket     FINC       Color (ming jacket)     1,5 %       Materal jacket     FINC       Color (mater isolation     1,5 %       Colar diameter isolation     1,5 %	Product standard	DIN EN 61076-2-101 (M12)
Installation ( Cable       wite arrangement     white, yellow, blue, orange       Cable identification     794       Jacket Color     green       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires around Filler twisted       Cable shielding (type)     copper braid, finned       Cable shielding (coverage)     85 %       Banding     Fileece, Foil       Filler     yes       wite arrangement     white, yellow, blue, orange       Cable shielding (coverage)     85 %       Banding     Fileece, Foil       Filler     yes       wite arrangement     white, yellow, blue, orange       Cable weight     75.87 g/m       Material jacket     PUR       Shore hardness jacket     89 Shore A       Freedom from ingredients (jacket)     6.7 rm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PE       Amount wires     4       Outer diameter insulation     1.55 rm       Outer diameter insulation     165 Nere D <t< td=""><td>Approvals</td><td></td></t<>	Approvals	
wire arangementwhite, yellow, blue, orangeCable identification794Cable identification794Jacket ColorgreenType of CertificatecURusAmount stranding1Stranding4 wires around Filler twistedCable shielding (type)copper braid, finedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arrangementwhite, yellow, blue, orangeCable weight75,87 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingrodients (jacket)6,7 mnColor (inner jacket)6,7 mnColor (inner jacket)4Material inner jacketFINOColor (inner jacket)4,5 %Material inner jacket7Outer diameter (sheatth)± 5 %Shore hardness wire insulation9EAmount wires4Outer diameter insulation1,55 mmOuter diameter insulation5 Shore DIngredient finess wire insulation5 Shore DOuter diameter of single wires2 AWGMaterial onlige wires2 AWGConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareAmount strands (wire)10 D N ± 15 %Conductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bare	UL 50E	yes
Cable identification794Jacket ColorgreenType of CertificatecURusAmount stranding1Stranding4 wires around Filler twistedCable shielding (type)copper braid, linnedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arrangementwhile, yellow, blue, orangeCable weigth75,87 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingrotients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, sillcone-freeOuter-diameter (jacket)6.7 mmTolerance outer diameter (saket)FRNCCalor (inner jacket)FRNCColor (inner jacket)yehiteMaterial inner jacketFRNCColor (inner jacket)1,55 mmOuter diameter insulation1,55 mmOuter diameter insulation22 AWGConductor crossection (wire)22 AWGConductor crossection (wire)22 AWGConductor vireStranded copper wire, bareNominal viral jacket (lopeda)10 N VDE 0298-4Current load capacity min. wire4,8 ACharactiristic impedance100 Q ± 15 %Charactiristic impedance100 Q ± 15 %Electrical resistance line constant (wire - wire)210 Q °CAC withst	Installation   Cable	
Cable identification794Jacket ColorgreenType of CertificatecURusAmount stranding1Stranding4 wires around Filler twistedCable shielding (type)copper braid, linnedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arrangementwhile, yellow, blue, orangeCable weigth75,87 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingrotients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, sillcone-freeOuter-diameter (jacket)6.7 mmTolerance outer diameter (saket)FRNCCalor (inner jacket)FRNCColor (inner jacket)yehiteMaterial inner jacketFRNCColor (inner jacket)1,55 mmOuter diameter insulation1,55 mmOuter diameter insulation22 AWGConductor crossection (wire)22 AWGConductor crossection (wire)22 AWGConductor vireStranded copper wire, bareNominal viral jacket (lopeda)10 N VDE 0298-4Current load capacity min. wire4,8 ACharactiristic impedance100 Q ± 15 %Charactiristic impedance100 Q ± 15 %Electrical resistance line constant (wire - wire)210 Q °CAC withst	wire arrangement	white vellow blue orange
Jacket ColorgreenType of CertificateCURusAmount strandingIStranding4 wires around Filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFilesco, FollFilleryeswire arrangementwhite, yellow, blue, orangeCable shielding (incoverage)85 %StandingFilesco, FollFilleryeswire arrangementwhite, yellow, blue, orangeCable shielding (incoverage)85 %StandingsFilesco, FollMaterial jacketPURStore hardness jacket89 Shore AFreedom from ingredients (iacket)6,7 mmTolerance outer diameter (iseket)6,7 mmTolerance outer diameter (iseket)5 %Material iner jacketFINOColor (inner jacket)whiteMaterial wire insulation1,55 mmOuter diameter (wire)7Diameter of single wires2 AWGConductor consection (wire)2 AWGConductor consection (wire)2 AWGConductor viresStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)10 D L 1 5 % <tr< td=""><td></td><td></td></tr<>		
Type of CertificateCURusArnout stranding1Stranding4 wires around Filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arrangementwhite, yellow, blue, orangeCable weight75.87 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter diameter (jacket)6.7 mmTolerance outer diameter (sheatth)± 5 %Material inner jacketFRNCColor (inner jacket)whiteMaterial inner jacketFRNCColor diameter (sheatth)± 5 %Material wire insulationPEArount wires4Outer diameter (sheatth)± 5 %Shore hardness wire insulation1.55 mmOuter diameter (sheatth)± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Outer diameter (sheatth)± 5 %Shore hardness wire insulation1.55 mmOuter diameter (sheatth)± 5 %Shore hardness wire insulation1.55 mmOuter diameter (sheatth)± 2 %WGConductor crosssection (wire)22 AWGConductor crosssection (wire)22 AWGConductor crosssection (wire)22 AWGConductor crosssection (wire)10 D U D 12 15 %Elextral capacity time. wire4.8 A <td></td> <td></td>		
Amount stranding1Stranding4 wires around Filler twistedCable shielding (type)copper braid, tinnedCable shielding (type)copper braid, tinnedCable shielding (type)85 %BandingFleece, FollFilleryeswire arrangementwhite, yellow, blue, orangeCable weigth75,87 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)6,7 mmTolerance outer diameter (jacket)6,7 mmTolerance outer diameter (jacket)5%Material iner jacketFRNCColor (inner jacket)whileMaterial wire insulationPEAmount wires4Outer diameter tolerance core insulation1,55 mmOuter diameter tolerance core insulation1,57 mmOuter diameter tolerance core insulation1,55 mmOuter diameter tolerance core insulation1,57 mmOuter diameter tolerance core insulation1,57 mm		-
Stranding4 wires around Filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, FoilFilleryeswire arangementwhite, yellow, blue, orangeCable weight75,87 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket) $5.7 mm$ Tolerance outer diameter (sheath) $\pm 5 %$ Material jacketFRNCColor (inner jacket)whiteMaterial inner jacketFRNCColor (inner jacket) $\pm 5 \%$ Shore hardness wire insulation $1.55 mm$ Outer diameter insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Color (inter insulation $\pm 5 \%$ Color (inter insulation $\pm 5 \%$ Color and the saw ire insulation $\pm 5 \%$ Color and the saw ire insulation $\pm 5 \%$ Color and the saw ire insulation $\pm 5 \%$ Color and the saw ire insulation $\pm 5 \%$ Color and the saw ire insulation $\pm 5 \%$ <t< td=""><td></td><td></td></t<>		
Cable shielding (type)copper braid, tinnedCable shielding (coverage)85 %BandingFleece, FoilFileryeswire arrangementwhite, yellow, blue, orangeCable weigth75,87 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)6,7 mmTolerance outer diameter (sheath) $\pm$ 5 %Material jacketFNNCColor (inner jacket) $\pm$ 5 %Material wire insulationPEAmount Wres4Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Conductor crossection (wire)22 AWGConductor crossection (wire)22 AWGConductor wireStrande copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Characteristic impedance100 $\Omega \pm$ 15 %Characteristic impedance100 $\Omega $		· · · · · · · · · · · · · · · · · · ·
Cable shielding (coverage) 85 %   Banding Fiecce, Foil   Filler yes   wire arrangement white, yellow, blue, orange   Cable weigth 75,87 g/m   Material jacket PUR   Shore hardness jacket 89 Shore A   Shore hardness jacket 89 Shore A   Outer-diameter (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) white   Material wire insulation PE   Amount wires 4   Outer diameter tolerance core insulation 1,55 mm   Outer diameter tolerance core insulation 45 %   Shore hardness wire insulation 65 Shore D   Ingredient freeness wire insulation lead-free, CFC-free, halogen-free   Amount wires 4   Conductor crossection (wire) 7   Diameter of single wires 22 AWG   Conductor crossection (wire) 22 AWG   Conductor rower Stranded copper wire, bare   Nominal voltage AC max. 300 V   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity (standard) <t< td=""><td></td><td></td></t<>		
Banding Fleece, Foil   Filer yes   wire arrangement white, yellow, blue, orange   Cable weigth 75.87 g/m   Material jacket PUR   Shore hardness jacket 89 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free   Outer-diameter (jacket) 6,7 mm   Tolerance outler diameter (skeath) ± 5 %   Material inner jacket FRNC   Color (inner jacket) white   Material wire insulation PE   Amount wires 4   Outer diameter (blerance core insulation ± 5 %   Shore hardness wire insulation 5 5 %   Outer diameter tolerance core insulation ± 5 %   Shore hardness wire insulation 65 Shore D   Ingredient freeness wire insulation 65 Shore D   Ingredient freeness wire insulation 162 - Free, CFC-free, halogen-free   Amount strands (wire) 7   Diameter of single wires 22 AWG   Conduct or wire Stranded copper wire, bare   Nominal voltage AC max. 300 V   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity (standard) to DIN VDE 0298-4		
Filteryeswire arrangementwhite, yellow, blue, orangeCable weigth75.87 g/mMaterial jacketPURMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,7 mmTolerance outer diameter (sheath) $\pm$ 5 %Material inner jacketFRNCColor (inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter insulation1,55 mmOuter diameter oc 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)32 Z AWGMaterial voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic insepadance100 $\Omega \pm$ 15 %Electrical capacity line. wire55 $\Omega km @ 20 ° C$ Ac withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line. wires2 kV @ 60 sElectrical		
wire arrangementwhite, yellow, blue, orangeCable weigth75,87 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)6,7 mmTolerance outer diameter (sheath) $\pm 5$ %Material inner jacketFRNCColor (inner jacket)whiteMaterial vire insulationPEAmount wires4Outer diameter tolerance core insulation $\pm 5$ %Shore hardness wire insulation $\pm 5$ %Outer diameter tolerance core insulation $\pm 5$ %Shore hardness wire insulation $65$ Shore DIngredient freeness wire insulation $65$ Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crossection (wire)22 AWGMaterial voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity win, wire4,8 ACharacteristic impedance100 $\Omega \pm 15$ %Electrical capacity (line constant wire)55 $\Omega$ km @ 20 °CAC withstand voltage (wire - wire)2 kV@ 60 sElectrical capacity line constant (wire wire)2 kV@ 60 sElectrical capacity line constant (wire)2 kV@ 60 sElectrical capacity line		
Cable weigth75,87 g/mMaterial jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket) $6.7$ mmTolerance outer diameter (sheath) $\pm 5 \%$ Material inner jacketFRNCColor (inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter tolerance ore 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 rossection (wire)22 AWGCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity im. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \%$ Electrical resistance line constant wire55 $\Omega$ /km @ 20 °CAc withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)2 kV @ 60 s <td></td> <td></td>		
Material jacketPURShore hardness jacket89 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket) $6,7  mm$ Tolerance outer diameter (sheath) $\pm 5  \%$ Material inner jacketFRNCColor (inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter tolerance core insulation $\pm 5  \%$ Shore hardness wire insulation $\pm 5  \%$ Outer diameter tolerance core insulation $\pm 5  \%$ Shore hardness wire insulation $65  Shore D$ Ingredient freeness wire insulation $65  Shore D$ Ingredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 ACharacteristic impedance100 $\Omega \pm 15  \%$ Electrical resistance line constant wire $55  \Omega/km @ 20  ^{\circ}C$ AC withstand voltage (wire - wire) $52000  pF/km$ Electrical capacity (wire - wire) $52000  pF/km$		
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) white   Material wire insulation PE   Amount wires 4   Outer diameter tolerance core insulation 1,55 mm   Outer diameter tolerance core insulation ± 5 %   Shore hardness wire insulation 65 Shore D   Ingredient freeness wire insulation lead-free, CFC-free, halogen-free   Amount strands (wire) 7   Diameter of single wires 22 AWG   Conductor roissection (wire) 22 AWG   Courrent load capacity (standard) to DIN VDE 0298-4   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity win, wire 4.8 A   Characteristic impedance 100 Q * C   AC withstand voltage (wire - wire) 2 kV @ 60 s   Electrical capacity (wire - wire) 2 kV @ 60 s   Electrical capacity (wire - wire) 2 kV @ 60 s	-	
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket) $6,7 \text{ mm}$ Tolerance outer diameter (sheath) $\pm 5 \%$ Material inner jacketFRNCColor (inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter insulation $1,55 \text{ mm}$ Outer diameter loterance core insulation $1,55 \text{ mm}$ Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Characteristic impedance $100  \Omega \pm 15 \%$ Electrical resistance line constant wire $55  \Omega/km @ 20  ^{\circ}C$ AC withstand voltage (wire - wire) $24  V@ 60  s$ Electrical capacity (store - wire) $24  V@ 60  s$		
Outer-diameter (jacket) $6,7 \text{ mm}$ Tolerance outer diameter (sheath) $\pm 5 \%$ Material inner jacketFRNCColor (inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter insulation $1,55 \text{ mm}$ Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $65 \text{ Shore D}$ Ingredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor orsssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard) $55 \Omega/km @ 20 °C$ AC withstand voltage (wire - wire) $2 k V @ 60 s$ Electrical capacity line constant (wire - wire) $5200 \text{ pF/km}$	-	
Tolerance outer diameter (sheath) $\pm$ 5 %Material inner jacketFRNCColor (inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter insulation1,55 mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulation1ead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor cossesection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm$ 15 %Electrical resistance line constant wire55 0/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)52000 pF/km		
Material inner jacketFRNCColor (inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter insulation1,55 mmOuter diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \%$ Electrical resistance line constant wire55 $\Omega/km @ 20 °C$ AC withstand voltage (wire - wire)2 kV@ 0 pF/kmBevere freeuence withstand woltage (wire - wire)52000 pF/km		·
Color (inner jacket)whiteMaterial wire insulationPEAmount wires4Outer diameter insulation1,55 mmOuter diameter tolerance core 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 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Characteristic impedance100 $\Omega \pm 15 \%$ Electrical resistance line constant wire55 $\Omega/km @ 20 °C$ AC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)5200 pF/kmBewere freeurence withstand voltage durine520/km @ 20 °C	. ,	
Material wire insulation   PE     Amount wires   4     Outer diameter insulation   1,55 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   65 Shore D     Ingredient freeness wire insulation   lead-free, CFC-free, halogen-free     Amount strands (wire)   7     Diameter of single wires   22 AWG     Conductor crosssection (wire)   22 AWG     Material conductor wire   Stranded copper wire, bare     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 %     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)   52000 pF/km		
Amount wires4Outer diameter insulation1,55 mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15$ %Electrical resistance line constant wire55 000 pF/kmBeware frequences2 kV @ 60 sElectrical capacity line constant (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)52000 pF/km		
Outer diameter insulation1,55 mmOuter diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)100 $\Omega \pm 15 \%$ Electrical resistance line constant wire $55 \Omega/km @ 20 °C$ AC withstand voltage (wire - wire)2 kW @ 60 sElectrical capacity line constant (wire - wire)52000 pF/kmBouver, frequency withstand voltage (wire - wire)52000 pF/km		
Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15 \%$ Electrical resistance line constant wire55 $\Omega/km$ @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)52000 pF/km		
Shore hardness wire insulation65 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-freeAmount strands (wire)7Diameter of single wires22 AWGConductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 ACharacteristic impedance100 $\Omega \pm 15$ %Electrical resistance line constant wire55 $\Omega/km$ @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)52000 pF/km		
Ingredient freeness wire insulation   lead-free, CFC-free, halogen-free     Amount strands (wire)   7     Diameter of single wires   22 AWG     Conductor crosssection (wire)   22 AWG     Material conductor wire   Stranded copper wire, bare     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 %     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)   52000 pF/km		
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 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 Ω ± 15 %Electrical resistance line constant wire55 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)52000 pF/km		
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 0298-4Current load capacity min. wire4,8 ACharacteristic impedance100 $\Omega \pm 15$ %Electrical resistance line constant wire55 $\Omega/km$ @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sElectrical capacity line constant (wire - wire)52000 pF/km		
Conductor crosssection (wire)22 AWGMaterial conductor wireStranded copper wire, bareNominal voltage AC max. $300 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8 A$ Characteristic impedance $100 \Omega \pm 15 \%$ 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) $52000 pF/km$		
Material conductor wireStranded copper wire, bareNominal voltage AC max. $300 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $4,8 A$ Characteristic impedance $100 \Omega \pm 15 \%$ 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) $52000 pF/km$		
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 %     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)   52000 pF/km	. ,	
Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 %     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)   52000 pF/km		••
Current load capacity min. wire   4,8 A     Characteristic impedance   100 Ω ± 15 %     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)   52000 pF/km     Bower frequency withstand voltage (wire)   52000 pF/km		
Characteristic impedance   100 Ω ± 15 %     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)   52000 pF/km     Bower frequency withstand voltage (wire)   52000 pF/km		
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)   52000 pF/km     Rower frequency withstand voltage (wire)   52000 pF/km		
AC withstand voltage (wire - wire)   2 kV @ 60 s     Electrical capacity line constant (wire - wire)   52000 pF/km     Bower frequency withstand voltage (wire)		
Electrical capacity line constant (wire - wire) 52000 pF/km		
Power frequency withstand voltage (wire		-
Power trequency withstand voltage (wire - 2 kV @ 60 s		52000 pF/KM
jacket)	jacket)	2 kV @ 60 s
	AC withstand voltage (wire - shield)	
Min. operating temperature (static) -40 °C	Min. operating temperature (static)	-4U *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: 2024-05-21

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21 Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk