

M12 male 0° A-cod. / MSUD valve plug BI-11mm

PUR 3x0.75 bk UL/CSA+drag ch. 1.5m

MSUD

Form BI (11 mm) - M12, male straight

24 V AC ±20% / DC ±25%

LED and suppression

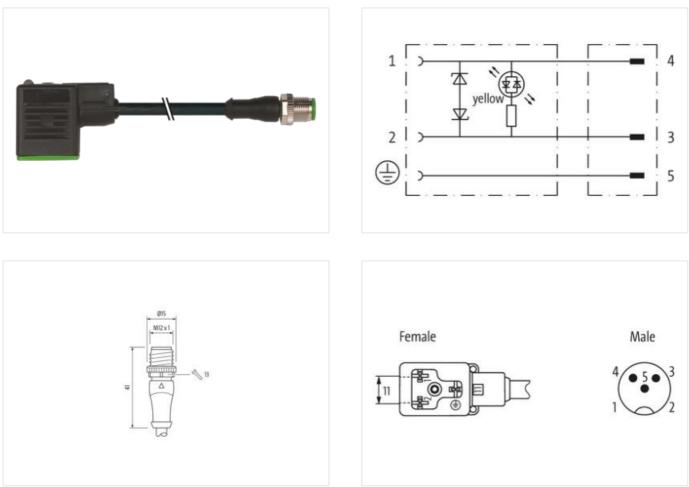
Further cable lengths on request.

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

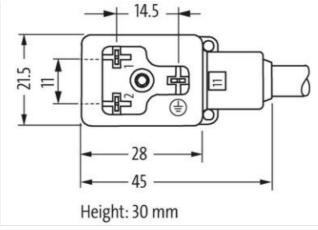




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-13

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.de | shop.murrelektronik.de





Product may differ from Image



Cable length	1,5 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD
Thread	M3
No. of poles	3
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879148764
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data Supply	

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: 2024-05-13

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.de | shop.murrelektronik.de



Operating voltage AC max. 28,8 V Operating voltage DC 24 V Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Cut-off peak voltage max. 35 V Current operating per contact max. 4 A Diagnostics Velow Device protection Electrical velow Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Mechanical data Material data Color housing Material housing Plastic Mounting method inserted, screwed Environmental characteristics Climatic Color housing 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 ties.	Operating voltage AC	24 V
Operating voltage DC 24 V Operating voltage DC max. 30 V Operating voltage DC max. 30 V Out of poak voltage DC max. 30 V Objecting voltage DC max. 4 A Degrestics V Status indication LED yellow Device protection [Electrical V Additional condition protection degree inserted, screwed Additional condition protection degree 3 Rechards data [Material data V Color housing black Material housing black Material housing Pastc Mechanical data [Material data V Operating voltage DC max 85 °C Operating temperature max. 85 °C Operating temperature max 85 °C Operating reginance max 85 °C Operating reginance<	Operating voltage AC min.	19,2 V
Operating voltage DC min. 19 V Operating voltage DC max. 30 V Operating voltage DC max. 55 V Outrent operating pair contact max. 4 A Deposition Status indextini LED Status indextini LED yeliow Device protection IElectrical Additional condition protection degree Additional condition protection degree 3 Ratid surger voltage 0.8 kV Machanical distal Material data Editional condition protection degree Color housing Plastic Machanical distal Mounting data Editional condition approximation inserted, screwed Mouring method inserted, screwed Environmental characteristical Columatic Opperating imperature min. Opperating imperature min. -25 *C Opperating temperature min. -25 *C Opperating temperature min. -25 *C Opperating remeature ratus Beroton theoremature ratus Note on strain role Protect the connectors by suitable measures from mechanical loads, a g by the usage of cable ise. Nate on strain role Diversity condered is protectin (M12); Din En 175301-803 (Venilistecker) <tr< td=""><td>Operating voltage AC max.</td><td>28,8 V</td></tr<>	Operating voltage AC max.	28,8 V
Operating voltage DC max. 30 V Out of the pack voltage max. 56 V Diagnostic 4 A Diagnostic V Status indication LED yellow Device protection Flectrical V Additional condition protection degree inserted, screwed Molution Degree 3 Radia surge voltage 0.8 V Machanical data (Material data V Marinal bousing Plantic Material bousing Plantic Material bousing Plantic Material bousing Plantic Material to train field Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee. Operating temperature min. 425 °C Operating temperature max. 85 °C Additional condition temperature rearge depending on cable quality Important installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee. Nate on bending radius Attention Connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee. Ordict strain relief Protect the connectors by suitable	Operating voltage DC	24 V
Cui-off posk voltage max. 56 V Current operating per contact max. 4 A Dispositio Status indication LED yellow Divise protection [Electrical Machinal contifuon protection degree inserted, sorewed Polution topogree 3 Rand survey obtage 0,8 kV Machanical data [Material data Use A Machanical data [Material data Color housing Nack Machanical data [Material data Machanical data [Mouting data Inserted, sorewed Material housing Mounting method Inserted, sorewed Material housing Operating tomperature min. 25 °C Governation temperature max. Abs °C Separating tomperature max. 85 °C Operating tomperature max. 85 °C Governation temperature max. Note on strain relief Protect the connectors by suitable measures from mechanical loads, o.g. by the usage of cable lise. Note on banding radus Caterotic Cuear on temperature fracture. Dive cating to the insulation notes Caterotic Cuear on temperature fracture. Dive cating to the insulation notes Second temperature fracture. Dive catin rotic in w	Operating voltage DC min.	18 V
Cui-off posk voltage max. 56 V Current operating per contact max. 4 A Dispositio Status indication LED yellow Divise protection [Electrical Machinal contifuon protection degree inserted, sorewed Polution topogree 3 Rand survey obtage 0,8 kV Machanical data [Material data Use A Machanical data [Material data Color housing Nack Machanical data [Material data Machanical data [Mouting data Inserted, sorewed Material housing Mounting method Inserted, sorewed Material housing Operating tomperature min. 25 °C Governation temperature max. Abs °C Separating tomperature max. 85 °C Operating tomperature max. 85 °C Governation temperature max. Note on strain relief Protect the connectors by suitable measures from mechanical loads, o.g. by the usage of cable lise. Note on banding radus Caterotic Cuear on temperature fracture. Dive cating to the insulation notes Caterotic Cuear on temperature fracture. Dive cating to the insulation notes Second temperature fracture. Dive catin rotic in w	Operating voltage DC max.	30 V
Current operating per contact max. 4 A Disposition Status indication LED yellow Device protection Electrical Inserted, screwed Additional condition protection degree inserted, screwed Follution Degree 3 Rated surge voltage 0.8 kV Mechanical data Material data Color housing Material housing Basick Material housing Fastic Mechanical data Material data Color housing Depresenting temperature min. 25 °C Operating temperature min. 65 °C Attention: Coserve the permissible bending radii when laying cables, as the IP protection cless can be chadragered by accessive bending torces. </td <td></td> <td>55 V</td>		55 V
Status indication LED yellow Device protection Electrical	Current operating per contact max.	4 A
Status indication LED yellow Device protection Electrical	Diagnostics	
Device protection Electrical inserted, screwed Additional condition protection degree is Pollution Degree 3 Relate surge voltage 0.8 kV Material Pousing black Material Pousing Plastic Portection (Electrical Operating temperature max. Operating temperature max. 85 °C Additional condition temperature max. 45 °C Additional Condition temperature max. 45 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. 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 when laying cables, as the IP protection class can be ending radii when layin	Status indication LED	yellow
Additional condition protection degree inserted, screwed S S Additional condition protection degree S S S	Device protection Electrical	
Pollution Degree 3 Raid surge voltage 0.8 kV Mechanical data Material data Mechanical data Material data Color housing black Material housing Plastic Mechanical data Mounting data Mechanical data Mounting mbc Mounting mbcho inserted, screwed Environmental characteristics Climatic Compariting temperature min. -25 °C Operating temperature max. Additional condition temperature max 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Note on strain noted Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive bending forces. Contomity Coldentification Poduct stardard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Instatistion Cable Coldentification Cable identification 639 Cable identification Mark isolach Dip eot Centricate CuBrus Anount	· · ·	inserted screwed
Rated surge voltage 0,8 kV Mechanical data Material data Edit (Material data) Color housing black Material housing Plastic Mechanical data Mounting data Inserted, screwed Environmental characteristics Climatic Operating temperature min. Querating temperature min. 25 °C Operating temperature min. 25 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cablo ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endragored by excessive bending forces. Contormity IN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilsteckor) Installation Gable Cable tope Standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilsteckor) Installation Gable Cable tope Viep of Certificate CURus Arrount stranding 1 Stranding <t< td=""><td></td><td></td></t<>		
Mechanical data Material data Color housing black Color housing Plastic Mechanical data Mounting data Inserted, screwed Environmental characteristics Climatic 25 °C Operating temperature min. 25 °C Additional condition temperature range depending on cable quality Important Installation notes S7 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiss. Contrainting Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiss. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiss. Contornity Environmental characteristics Climatic Period cont of wire insulation 636 Cable identification 636 Cable identification black Type of Cartificate cUPusa Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1. black 2. green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cab		
Color housing black Material housing Plastic Mounting method inserted, screwed Environmental characteristics [Climatic Eastic Operating temperature min. 25 °C Operating temperature rans. 85 °C Additional condition temperature rans 85 °C Mounting method Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Operating temperature max 85 °C Additional condition notes extension: Diserve the permissible bending radit when laying cables, as the IP protection class can be ending radit when laying cables, as the IP protection class can be ending radit when laying cables, as the IP protection class can be ending cable dontification Standard DIN EN 81076-2-101 (M12); DIN EN 15501-803 (Ventilstecker) Installation [Cable Goad Cable dontification Goa Cable dontification Goa Cable dontification Goad Cable dongin Sido		0,0 KV
Material housing Plastic Mechanical data Mounting data inserted, screwed Environmental characteristics Climatic Coperating temperature main. 25 ° C Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature may. 85 °C Note on strain reliel 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 endangered by excessive bending forces. Conformity Environmethal observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Environmethal observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Cather deutification 636 Cable identification 636 Cable identification 636 Cable identification 636 Cable identification 636 Cable identification <t< td=""><td></td><td></td></t<>		
Mechanical fail Mounting data Mounting method inserted, screwed Environmental characteristics [Climatic	-	
Munting methodinserted, screwedEnvironmental characteristics ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesImportant installation notesNote on strain reliefProtact 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 endangered by excessive bending forces.ContornityProduct standardDIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)Installation CableCable identification636Cable Type3Printing color of wire insulationwhite (isolation black)Jackel ColorblackType of Certificatec/PusAnount stranding1Stranding3 wires twistedWire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacket9 L 5 Shore AFreedom from ingredients (jacket)15 °SFreedom from ingredients (jacket)15 °SOuter diameter insulation1, 25 °GOuter diameter (soleation)1, 5 °SOuter diameter (soleation) <t< td=""><td>Material housing</td><td>Plastic</td></t<>	Material housing	Plastic
Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °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 strain relief Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation [Cable DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Uacket Color black Type of Certificate cURus Amount strading 1 Stranding 10 m @ 25 °C horizontal Cable weight 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freecton from ingredients (gacket) 10 m @ 25 °C horizontal </td <td>Mechanical data Mounting data</td> <td></td>	Mechanical data Mounting data	
Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contormity Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation Cable Cable identification 636 Cable identification 636 Cable insulation white (isolation black) Jacket Color black Type of Certificate cURus Armount stranding 1 Stranding \$wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh 56.1 g/m Material jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 9.2 % Diseraco rule	Mounting method	inserted, screwed
Operating temperature max. B5 °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. Additional condition temperature range Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Printing color of wire insulation DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation [Cable Cable indentification Cable identification 636 Cable information white (isolation black) Up of chriticate cURus Anount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-rack) 10 m @ 25 °C horizontal Cable weigth 56, 1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket)	Environmental characteristics Climatic	
Additional condition temperature range depending on cable quality Important installation notes Attention: Observe 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 Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation Cable Cable identification 636 Cable identification 636 Cable identification 636 Cable identification 636 Cable identification 636 Color black Vinte (solation black) Color Solack Type of Certificate cuBus Color Solack Solack Color Solack Solack Color Solack Solack Color Solack Solack Color So	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable 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. Contormity Product standard DIN EN 61076-2-101 (M12); DIN EN 176301-803 (Ventilstecker) Installation [Cable Contomity State (Samperature Samperature) Cable Identification 636 Gas Cable Identification 636 Gas Cable Or yree 3 Sprinting color of wire insulation Pyree Of Certificate CURus Amount stranding Amount stranding 1 Stranding Stranding 3 wires twisted Stranding Water all pack 10 m @ 25 °C horizontal Cable weight Cable weight 56.1 g/m Store hardneses jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 19 m Store A Sone A Freedom from ingredients (jacket) 5.9 mm Sone hardneses jacket 90 ± 5 Sh	Operating temperature max.	85 °C
Important installation notes 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 andangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation Cable Cable identification Cable identification G36 Cable identification G36 Cable Identification G36 Cable Color black Type of Catificate cURus Amount stranding 1 Stranding 3 wires twisted Wrie arragement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 15 % Outer diameter (sheath) ± 5 % Outer diameter (sheath) ± 5 % Shore hardness jacket 9 9 = 5 Shore A <td>Additional condition temperature range</td> <td>depending on cable quality</td>	Additional condition temperature range	depending on cable quality
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 endangered by excessive bending forces. Conformity 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); DIN EN 175301-803 (Ventilstecker) Installation Cable Cable identification G36 Cable for of wire insulation white (isolation black) G36 Color of wire insulation white (isolation black) G40 Jacket Color black G40 G40 Ype of Certificate c.JRus G40 G40 Amount stranding 1 G40 G40 G40 Stranding 3 wires twisted G41 G41 G41 G41 G41 Other weigh 56.1 g/m G41 G41 G41 G41 G41 Dure diameter (jacket) 19 ± 5 Shore A Freedom from ingredients (jacket) Ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter		
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); DIN EN 175301-803 (Ventilstecker) Installation Cable Coldentification 636 Cable identification 636 Coldentification 636 Collor Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Cursus Cursus Amount stranding 1 Stranding 3 wires twisted Write rangement black 1, black 2, green-yellow Stranding 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1 5% Outer diameter (jacket) 5,9 mm PP Amount wires 3 3 Outer diameter insulation PP Amount wires 3 Cold and the strand and and and and and and and and and		Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
Conformity Conformity Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation Cable Cable identification Cable identification 636 Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56, 1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 mm	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standardDIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)Installation CableCable identification636Cable identification636Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusArnount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable wigh56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAnnount wires3Outer diameter insulation1,85 mmOuter diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	Conformity	
Installation CableCable identification636Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusArnount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigh56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)19 mOuter-diameter (jacket)5,9 mmTolerance outer diameter (jseath)± 5 %Material wire insulation3Outer diameter insulation1,85 mmOuter diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
Cable identification636Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)iead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	·	
Printing color of wire insulationwhite (isolation black)Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,85 mmOuter diameter tolerance core insulation70 ± 5 Shore D		
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,85 mmOuter diameter tolerance core insulation70 ± 5 Shore D		
Amount stranding1Amount stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
Stranding3 wires twistedStranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
wire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
Traversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,85 mmOuter diameter tolerance core insulation70 ± 5 Shore D	-	
Cable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,85 mmOuter diameter tolerance core insulation70 ± 5 Shore D		
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,85 mmOuter diameter tolerance core insulation70 ± 5 Shore D		· · · · · · · · · · · · · · · · · · ·
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation 1,85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D		
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation 1,85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D		-
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D		
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D		
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D		
Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D		
Outer diameter insulation1,85 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D		
Shore hardness wire insulation70 ± 5 Shore D		· · · · · · · · · · · · · · · · · · ·
אויין אוי 		
	ingrouent neeress wire insulation	ופמע וויפט, טמטווועוורוויפס, טו ט-וופס, וומוטעפוריוופס, אוונטווסיוופס

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: 2024-05-13

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.de | shop.murrelektronik.de



Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
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)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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: 2024-05-13

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.de | shop.murrelektronik.de