

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

PUR 3x0.75 gy UL/CSA 1m

MSUD Form BI (11 mm) - M12, male straight 24 V AC ±20% / DC ±25% LED and suppression

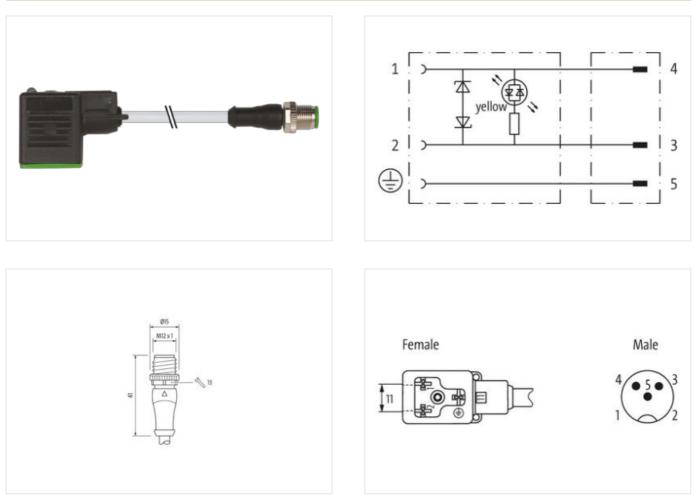
Further cable lengths on request.

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.

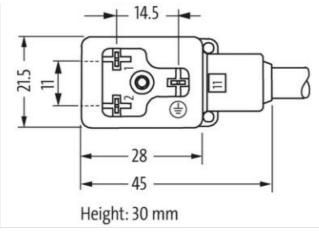
## Link to Product





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: 2024-05-03





Product may differ from Image



Cable length	1 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 $\emptyset$ )	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	4048879149129
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data   Supply	

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Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.4 V           Operating voltage AC max.         28.4 V           Operating voltage AC max.         18.4 V           Operating voltage AC max.         18.4 V           Operating voltage AC max.         50 V           Cut of peak voltage rootstar max.         54 V           Diagnostics         Voltage AC max.           Diagnostics         Voltage AC	Operating voltage AC	24 V
Operating voltage DC         24 V           Operating voltage DC max.         30 V           Call-off peak voltage nax.         55 V           Call-off peak voltage provided max.         4 A           Diagnostice         90 voltage DC max.           Diagnostice         90 voltage provided max.           Additional condition protection degree         inserted, screwed           Polution Degree         3           Additional condition protection degree         0.8 V           Mechanical data         Material Actional           Color thousing         black           Material Acting         Pastic           Mechanical data         Material Actional           Color thousing         black           Material Acting         Pastic           Material Acting         Pastic           Mechanical data         Material Acting           Departing temperature max.         85 °C           Additional condition temperature may         65 °C           Additional condition temperature may         65 °C           Additional fishalization notes         Pastic           View or strain rainel         Protect the comestors by suitable measures from mechanical loads, eg. by the usage of cable loas.           Note on bending radius         Attention: C	Operating voltage AC min.	19,2 V
Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics         Statu indication LED           Statu indication LED         yellow           Device protection [Dectrical         Additional condition protection degree           Additional condition protection degree         inserted, sorewed           Division Degree         3           Rated surge voltage         0.8 kV           Mechanical data [Material data         Color housing           Division Degree         18 act /           Material housing         Pastic           Mechanical data [Mounting data]         Material housing           Mouring method         inserted, sorewed           Environmental characterialistic [Climatic         Color nousing           Operating temperature min.         25 °C           Operating temperature max.         26 °C           Operating temperature range         dependeng on cable quality           Important installation notes         Note on stata rele!           Note on stan rele!         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable itee.           Attention: Charker the permissible bending radit when kying cables, as the IP protection class can be endengre	Operating voltage AC max.	28,8 V
Operating voltage DC max.         30 V           Cut of I peak voltage max.         55 V           Concent operating provoluted max.         4 A           Diagnostics         Status indication LED           Status indication LED         yellow           Device protection [Electrical         Additional condition protection degree           Additional condition protection degree         3           Ratic surge voltage         0.8 kV           Mechanical data [ Mainrial data         Color notaing           Material housing         Plastic           Mechanical data [ Mounting data         Mounting method           Environmental characteristics [ Climatic         Environmental characteristics [ Climatic           Color notaing         Mach           Material housing tomportaure max.         85 °C           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional conditions tresperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable 6se.           Note on bending radiu         Attention: Descree the germissible bending radii when laying cables, as the IP protection class can be endinagererd by	Operating voltage DC	24 V
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Diagnostics         Status indication LED         yellow           Device protection   Electrical	Cut-off peak voltage max.	
Balas indication LED         yellow           Device protection   Electrical         Inserted, screward           Additional condition protection l George         3           Rated surge voltage         0.8 kV           Bechanical data   Material data         Inserted, screward           Orion fousing         Back           Material housing         Plastic           Material housing         Inserted, screward           Environmental characteristics   Climatic         Common 1000000000000000000000000000000000000	Current operating per contact max.	4 A
Device protection   Electrical           Addition condition protection degree         inserted. screwed           Pollution Degree         3           Rated surge votinge         0.8 kV           Mechanical data   Matrial data         Consing         black           Metrial bouising         Pastic         Pastic           Mechanical data   Munting data         inserted, screwed         Pastic           Metrial bouising         Pastic         Pastic           Mounting method         inserted, screwed         Pastic           Corrating temperature min.         -25 °C         Corrating temperature min.           Operating temperature min.         -25 °C         Corrating temperature min.           Operating temperature min.         -25 °C         Corrating temperature min.           Important institution temperature max.         85 °C         Additional condition temperature max.           Note on strain rollef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.           Note on strain rollef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.           Eduidon (Instender and by the susses of bonding or cable quality         Important instellation and and the store of cable tes.           Eduidon Standrig         Wites twisted         Standrig </td <td>Diagnostics</td> <td></td>	Diagnostics	
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Rated surge voltage         0,8 kV           Mechanical data   Material data         Color housing         black           Color housing         Plastic           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic         Operating temperature min.         25 °C °           Operating temperature min.         25 °C °         Operating temperature min.         25 °C °           Operating temperature min.         25 °C °         Operating temperature min.         25 °C °           Addition temperature max.         85 °C         Addition temperature max.         85 °C °           Addition temperature max.         85 °C         Addition temperature max.         85 °C °           Addition temperature max.         85 °C         Addition temperature max.         85 °C °           Addition temperature max.         85 °C         Addition feet perature max.         85 °C °           Addition temperature max.         85 °C         Addition feet perature max.         85 °C °           Addition at the permissible bending radii when laying cables, as the IP protection class can be endangered by oxcessive bending radii when laying cables, as the IP protection class can be endangered by oxcessive bending radii when laying cables, as the IP protection class can be endangered by oxcessive bending radii when laying cables, as the IP protection class can be endangered by oxcessive bending radii by f	Additional condition protection degree	inserted, screwed
Mechanical data   Material data           Color housing         black           Material housing         Plastic           Mechanical data   Mounting data         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         Ser C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tos.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tos.           Concremity         Environmental protection class can be endangered by excessive bending forces.           Cable dentification         226           Cable identification         226           Cable clock         Gradie           Type of Certificate         CIPusus           Anount stranding         1           Stranding         3 wiros twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigh         53.3 g/m           Material jacket         PUR           Shore hardnese j	Pollution Degree	3
Mechanical data   Material data           Color housing         black           Material housing         Plastic           Mechanical data   Mounting data         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         Ser C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tos.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tos.           Concremity         Environmental protection class can be endangered by excessive bending forces.           Cable dentification         226           Cable identification         226           Cable clock         Gradie           Type of Certificate         CIPusus           Anount stranding         1           Stranding         3 wiros twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigh         53.3 g/m           Material jacket         PUR           Shore hardnese j	Rated surge voltage	0,8 kV
Color housing         black           Material housing         Plastc           Material housing         Inserted, screwed           Environmential characteristics   Climatt         Environmential characteristics   Climatt           Operating temperature man.         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition 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 strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cable 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 radiu when laying cables, as the IP protection class can be endargered by excessive bending forces.           Conformity         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 endargered by excessive bending forces.           Cable dentification         226           Cable dentification         226           Cable dentification         226 </td <td></td> <td></td>		
Material housing         Plastic           Mechanical data   Mounting data           Mouning method         inserted, screwed           Environmental characteristics   Climatic         Coperating temperature max.           Qperating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition 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 strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on banding radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endargered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation   Cable         Cable forpio         2           Cable Type         2         2           Cable forpio         gray         7           Type of Contribute         cUIRus         Amount stranding           Note st	·	
Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature main.         25 °C           Operating temperature main.         65 °C           Additional condition temperature mage         depending on cable quality           Important installation notes         Additional condition temperature mage           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.           Contomity         Product standard           Product standard         DIN EN 1076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation Cable         Cable identification           Cable identification         226           Cable Ifype         2           Jacket Color         gray           Type of Certificate         CuRus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weight         55.33 grm           Tolearone outer dameter (facket)         5.9 Sm <td>-</td> <td></td>	-	
Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Material characteristics / Climatic           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Nate on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Contormity         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending forces.           Contomity         Endetter of 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         226           Cable Type         2           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arangement         black 1, black 2, green-yellow           Cable weigh         53.3 g/m           M	5	Fiasiic
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on strain rolief           Note on strain rolief         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         Product standard           Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation         226           Cable identification         236           Around stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weight         55.33 g/m           Around stranding         5.9 mm           Tolerance outer diameter (sheath)         5.5 %           Material jacket	Mechanical data   Mounting data	
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature maye         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.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contornity         Product standard           Installation (Cable         226           Cable identification         226           Cable Identificate         cJRus           Amount stranding         1           Stranding         3 wires twisted           Stranding         3 wires twisted           Store Arding         3 wires twisted           Store Arading         55.33 g/m           Material jacket         PUR           Shore Aradineser (gaket)         5.9 mm           Telerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Material inner jacket         PVC           Material inner jacket         PVC           Material inner jacket         PVC           <	Mounting method	inserted, screwed
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 bending radius         Aftention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Protuct standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation   Cable         226         Cable Type         2           Jacket Color         gray         Type of Certificate         cURus           Amount stranding         1         Stranding         Strike and Stranding           Stranding         3 wires twisted         Stranding         Stranding           Material jacket         PUR         Shore A         Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free         Outer-diameter (jacket)           Outer diameter (sheath)         1 5 %         Material inner jacket         PVC           Material inner jacket         PVC         Amount Stranding         3           Outer diameter (sheath)         1 5 %	Environmental characteristics   Climatic	
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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         Image: Conformity           Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Imstallation   Cable         Z26           Cable identification         226           Cable Identification         226           Cable Identification         210 (Strading)           Instanting         1           Stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         55.33 g/m           Andertail packet         PUR           Store Andress jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         5.9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inver insulation         9.VC           Amount wries         3         3           Outer diameter insulation         1.8 mm </td <td>Important installation notes</td> <td></td>	Important installation notes	
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         226           Cable distification         226         Cable Type         2           Jacket Color         gray         Culture         Culture         Culture           Type of Certificate         culture         Culture         Culture         Culture           Mote on gray         1         Stranding         1         Stranding         1         Stranding		Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Conformity           Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation   Cable           Cable identification         226           Cable Type         2           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         55,33 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 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 inner jacket         PVC           Material inner jacket         PVC           Material wire insulation         1.8 mm           Outer diameter insulation         1.8 mm           Outer diameter lolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D		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 identification226Cable identification2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55,33 g/mMaterial jacketPURShore hardness jacket85 ± 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 inner jacketPVCMaterial inner jacketPVCMaterial wire insulation1,8 mmOuter diameter tolerance core insulation1,8 mmOuter diameter tolerance core insulation1,8 mmOuter diameter tolerance core insulation43 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-free	Conformity	
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Cable Type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth55,33 g/mMaterial jacketPURShore hardness jacket85 ± 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 inner jacketPVCAmount wires3Outer diameter tolerance core insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-free		
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Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCMaterial wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-free	wire arrangement Cable weigth	black 1, black 2, green-yellow 55,33 g/m
Outer-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material inner jacketPVCMaterial wire insulationPVCAmount wires3Outer diameter insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-free	wire arrangement Cable weigth Material jacket	black 1, black 2, green-yellow 55,33 g/m PUR
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Material inner jacket       PVC         Material wire insulation       PVC         Amount wires       3         Outer diameter insulation       1,8 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       43 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free	wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	black 1, black 2, green-yellow         55,33 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation       PVC         Amount wires       3         Outer diameter insulation       1,8 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       43 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free	wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	black 1, black 2, green-yellow         55,33 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm
Amount wires     3       Outer diameter insulation     1,8 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     43 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free	wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	black 1, black 2, green-yellow         55,33 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm         ± 5 %
Outer diameter insulation       1,8 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       43 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free	wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket	black 1, black 2, green-yellow         55,33 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm         ± 5 %         PVC
Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       43 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free	wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Material wire insulation	black 1, black 2, green-yellow 55,33 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PVC PVC
Shore hardness wire insulation     43 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free	wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Material wire insulation         Amount wires	black 1, black 2, green-yellow         55,33 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm         ± 5 %         PVC         PVC         3
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Material wire insulation         Amount wires         Outer diameter insulation	black 1, black 2, green-yellow 55,33 g/m PUR 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PVC PVC 3 1,8 mm
	wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Material wire insulation         Amount wires         Outer diameter tolerance core insulation	black 1, black 2, green-yellow           55,33 g/m           PUR           85 ± 5 Shore A           lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           5,9 mm           ± 5 %           PVC           PVC           3           1,8 mm           ± 5 %
Amount strands (wire) 42	wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation	black 1, black 2, green-yellow           55,33 g/m           PUR           85 ± 5 Shore A           lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           5,9 mm           ± 5 %           PVC           PVC           3           1,8 mm           ± 5 %           43 ± 5 Shore D
	wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material inner jacket         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation         Ingredient freeness wire insulation	black 1, black 2, green-yellow         55,33 g/m         PUR         85 ± 5 Shore A         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5,9 mm         ± 5 %         PVC         3         1,8 mm         ± 5 %         43 ± 5 Shore D         lead-free, cadmium-free, CFC-free, silicone-free

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: 2024-05-03



Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
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)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C

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