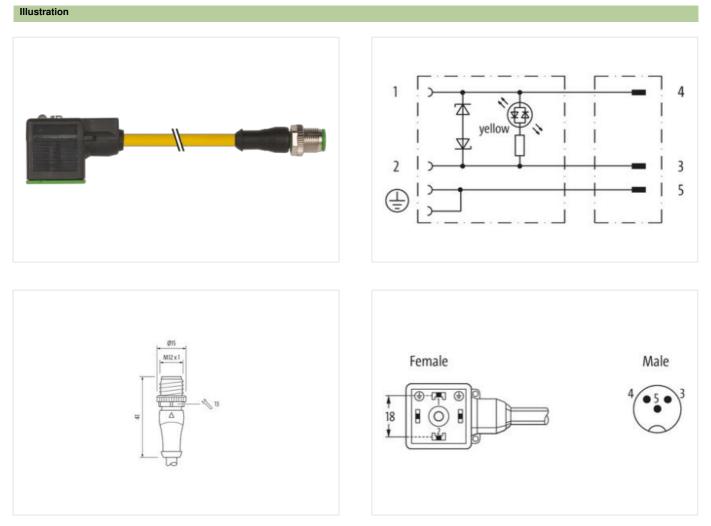


## M12 male 0° A-cod. / MSUD valve plug A-18mm

PVC 3x0.75 ye 3.5m

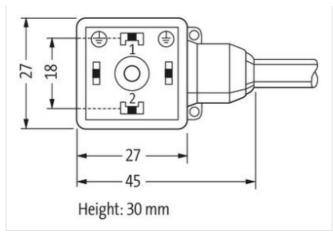
Form A (18 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Bridged PE A-coded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details 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: 2024-05-22 Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk





Product may differ from Image



Cable length	3,5 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M12
Thread	M3
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Thread	M12 x 1
Material	PBT
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879152976
Packaging unit	1
Electrical data	
Drop-out delay time max.	20 ms
Electrical data   Supply	
Operating voltage AC	24 V
Operating voltage AC min.	19,2 V
Operating voltage AC max.	28,8 V

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Control         25 °C           Contro	Operating voltage DC	24 V
Operating voltage DC max         90 V           Current operating per conduct max.         95 V           Current operating per conduct max.         15 B A           Device protection   Electrical         Status foctanon LED           Additional condition protector degree         9           Polution protection   Electrical         Status foctanon LED           Additional condition protector degree         9           Polution protection   Electrical         0.8 V           Material group (EC 60064.1)         1           Recharacid data   Material data         Coder Activation and Condition and Condi		
Carl of peak vallage max.       96 V         Current consumption max.       15 mA         Disposition       Status indication LED         yelve       Device protection   Electrical         Additional condition protection degree       insertid, screwed         Polition Degree       3         Rate and action to protection degree       0.81V         Material graps vallage       0.81V         Material status indication of the period value of easing       Decemption period value graps value of easing         Mounling method       Inserted. screwed       Departing instruction in.         Departing instruction in.       29 °C       Operating instruction in.         Operating instruction intel       Protecl the connectors by sublabe measures from mechanical ads, ag. by the usage of cable los.		
Current consumption max. 15 mA		
Current consumption max.         15 mA           Diagnostics         Status indication LED         yellow           Device protection   Electrical         Mathematication and the protection of gene inserted, screwed         Pathematication and the protection of gene inserted, screwed           Pathematication of protection degree         Inserted, screwed         Pathematication of gene inserted, screwed           Pathematication of protection degree         Inserted, screwed         Pathematication           Costing tooking         Noiceled         Screwed           Material gasket         PUR         Material gasket         PUR           Material pasket         PUR         Material pasket         PUR           Metarial pasket         PUR         Material pasket         PUR           Metarial pasket         PUR         Material pasket         PUR           Metarial pasket         PUR         Material pasket         PUR           Mounting method         inserted, screwed         Environmethol framerateristics   Climatic         Comparising temperature max.         85 °C           Operating temperature max.         85 °C         Comparising temperature max.         85 °C           Nole on tending radius         Attention: Conserve the permethole banding radiu when haying cables, as the IP protecton class can be endinger of use.		
Disponenties         Service protection   Electrical           Device protection   relaction and and and and and and and and and an		
Status indication LED         yellow           Device protection   Electrical         Inserted, scrowed           Additional condition protection degree         3           Rated surge voltage         0.8 kV           Material surge (C 60864-1)         1           Internation (C 60864-1)         25 °C           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C           Note on strain relief         Protent the connectors	·	13 mA
Device protection   Electrical           Addition a condition protection degree         inserted, serwerd           Paluda congritor protection degree         3           Rated surge voltage         0,8 kV           Material group (EC 60664-1)         1           Material service wolf and the service of the s	Diagnostics	
Additional condition protection degree       inserted, screwed         Palulation Degree       3         Rated surge vortage       0.8 kV         Material group (EC 00064-1)       1 <b>Mechanical data [Metrial data</b> Costing looking       Neckeled         Costing looking       Neckeled         Costing looking       Neckeled         Costing looking       PUR         Material housing       PUR         Material looking       PUR         Material looking       PUR         Material housing       PUR         Material looking material       Zinc die-casting         Monting matherial       Zinc die-casting         Material condition temperature range       depending on cable quality         Important installation cols       Zinc die         N	Status indication LED	yellow
Polluion Degree         3           Rated surge voltage         0,8 kV           Material group (EC 60664-1)         1           Mechanical data         Material data           Coating looking         Nickeled           Color housing         Didok in           Material gaskat         PUR           Material gaskat         PUR           Material housing         Plastic           Locking method         inserted, screwed           Environmental characteristics / Climatic         Climatic           Operating temperature max.         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 tiles.           Note on bending radius         Attention: Observe the permissible bending radiu when laying cables, as the IP protoction class can be contagered by suitable measures from mechanical loads, e.g. by the usage of cable tiles.           Note on strain relief         Protect the connectors by suitable measures from technical loads, e.g. by the usage of cable tiles.           Note on strain relief         Write straining           Note on strain relief         Verotet the connectors b	Device protection   Electrical	
Rate surge voltage         0,8 kV           Material group (EC 6064-1)         1           Mochanical dai [Material dai         Color housing         black           Color housing         black         Material gaskat           Material gaskat         PUR         Material gaskat           Material nousing         Plack         Material nousing           Mounting method         Insertide, screwad         Material nousing           Mounting method         Insertide, screwad         Material nousing           Mounting method         Resertide, screwad         Sc C           Additional condition temperature map.         85 °C         Additional condition temperature map.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.           Note on strain relief         Protect the connectors by suitable material suitable for the permissible bending radii when laying cables, as the IP protection dass can be endangered by excessive bending forces.           Installation I cable         Installation of the insulation         Material (scladon bluck)           Jacket Co	Additional condition protection degree	inserted, screwed
Material group (IEC 60684-1)         I           Mechanical data   Material data         Coating locking         Nickledd           Coating locking         Diack         Material grasket         FUR           Material grasket         FUR         Material grasket         EUR           Methical data   Mounting data         Incerted.         Incerted.         Incerted.           Mounting method         inserted. screwed         Exvironmental characteristics   Climatic           Operating 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 lies.           Nate on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Nate on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Nate on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Nate on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Nate on strain relief         So thack	Pollution Degree	3
Mechanical data   Material data           Costing locking         Nickeled           Color housing         black           Material gasket         PUR           Material packet         PUR           Material housing         Pasilo           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic         Operating temperature min.           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notos         Note on bending radius           Note on bending radius         Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by accessive bonding forces.           Installation Cable         View accessive bonding forces.           Wei arrangement         black 1, black 2, green-yellow           Cable forge         1           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Anonust stranding         1           Stranding         3 wires twisted           Wire arrangement         black 1, black	Rated surge voltage	0,8 kV
Coating locking         Nickeled           Color housing         black           Material joasket         PUR           Material locking material         Zinc die-casting           Mechnical data   Mounting data         Insorted, screwed           Environmental characteristics   Climatic         Operating temperature max.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Insorted, screwed bending on cable quality           Note on strain reliaf         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on strain reliaf         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Installation   Cable         Miterian build screensive bending forces.           Installation   Cable         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Installation   Cable         Miteriable Modifier date is descreasive bending forces.           Installation   Cable         Diak 1, black 2, green-yellow           Cable dentification         0 16           Cable dentification         0 16           Cable dentification         0 16           Cable dentification         0 16	Material group (IEC 60664-1)	
Coating locking         Nickeled           Color housing         black           Material joasket         PUR           Material locking material         Zinc die-casting           Mechnical data   Mounting data         Insorted, screwed           Environmental characteristics   Climatic         Operating temperature max.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Insorted, screwed bending on cable quality           Note on strain reliaf         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on strain reliaf         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Installation   Cable         Miterian build screensive bending forces.           Installation   Cable         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Installation   Cable         Miteriable Modifier date is descreasive bending forces.           Installation   Cable         Diak 1, black 2, green-yellow           Cable dentification         0 16           Cable dentification         0 16           Cable dentification         0 16           Cable dentification         0 16	Mechanical data   Material data	
Color housing         black           Material gasket         PUR           Material gasket         PUR           Material locating         Platic           Locking material         Zinc die-casting           Mechanical data         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         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 lies.           Installation   Cable         Write arrangement         black 1, black 2, green-yellow           Cable function         016         Cable function           Order insulation         wite insulation white (isolation black)         Jacket Color           Amount stranding         1         Stranding         3 wires twisted           wire arrangement         black 2, green-yellow         Cable tidentification           Gable type         1         Stranding         3 wires twisted           wire arrangement         black 2, green-yellow         Cable tidentificatin		Nickeled
Material pasket         PUR           Material housing         Plastic           Lodking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           Operating temperature min.         -25 °C		
Material housing         Plastic           Locking material         Zinc die-casting           Mechanical data  Mounting data         Inserted, screwed           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           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.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Attention: Observe the parmicable bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Wrie arrangement         black 1, black 2, gren-yellow           Cable dontification         016         Cable dontification           Cable identification         016         Cable dontification           Cable identification         11         Stranding         1           Write arrangement         black 1, black 2, gren-yellow         Cable weight         63.8 g/m           Advinet aruding         3         wries twristed		
Locking material         Zinc die-casting           Mechanical data   Mounting data         inserted, sorewed           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           Operating temperature max.         85 °C         Additional condition temperature may.         85 °C           Additional condition temperature may.         85 °C         Additional condition temperature may.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties.         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Write arrangement         black 1, black 2, green-yellow           Cable identification         016         Cable           Area Color         yellow         Amount strainding           Arrangement         black 1, black 2, green-yellow         Cable identification           Gable identification         016         Cable         Cable           write arrangement         black 1, black 2, green-yellow         Cable weight           Gable weight         63.8 g/m         Material jacket         PVC           Staroling         3 writes twisted         Mountistanding         Si S Shore A           Freee		
Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           Operating temperature max.         85 °C         Additional condition temperature may         depending on cable quality           Important installation notes         Mote on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending red by excessive bending forces.           Installation   Cable         wrise arrangement         black 1, black 2, green-yellow           Cable fype         1         Printing color of wire insulation         write (isolation black)           Jacket Color         yellow         Amount stranding         1           Stranding         3 wires twisted         Stranding         1           Stranding         3 wires twisted         Stranding         Stranding           Tolerance outer diameter (sheath)         45 %         Store A         Stranding           Freedom from ingredients (gacket)         5.9 mm         Tolerance outer diameter (sheath)         4 5 %           Material jacket         PVC         Amount strain         3         C	9	
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         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables, as the IP protection class can be endangered by excessive bending facili when laying cables as theret missilation back (label 1, black 2, green-yellow		
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 relief           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.           Installation   Cable         wrise arrangement           wrise arrangement         black 1, black 2, green-yellow           Cable identification         016           Cable Identification         016           Cable Vipe         1           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Amount stranding         1           Stranding         3 wires twisted           wrie arrangement         black 1, black 2, green yellow           Cable weight         63.8 g/m           Atterial jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freadom from ingredients (jacket)         lead-free, cadm		
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additonal condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Installation   Cable         Materition: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Wire arrangement         black 1, black 2, green-yellow           Cable Type         1         Printing color of wire insulation         white (isolation black)           Jacket Color         yellow         yellow         Amount stranding           Amount stranding         1         Stranding         Stranding           Vei e arrangement         black 1, black 2, green-yellow         Cable type           Cable type         1         Stranding         Stranding           Vei e arrangement         black 1, black 2, green-yellow         Cable tweigth           Cable type         1         Stranding         Stranding           Vei e arrangement         black 1, black 2, green-yellow         Cable tweigth <td>Mounting method</td> <td>inserted, screwed</td>	Mounting method	inserted, screwed
Operating imperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Installation [ Cable         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation [ Cable         wire arrangement           Dalek 1, black 2, green-yellow         Cable Type           Cable Type         1           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         63.8 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         1ead-free, cadmium-free, CFC-free, silicone-free           Outer diameter (jacket)         5.9 mm           Tolerance outer diameter (sheath)         ± 5 %           Materi	Environmental characteristics   Climatic	
Additional condition temperature range         depending on cable quality           Important installation notes         Mote on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         wire arrangement         black 1, black 2, green-yellow           Cable identification         016         016           Cable Type         1         Printing color of wire insulation         white (isolation black)           Jacket Color         yellow         Amount stranding         1           Stranding         3 wires twisted         Stranding         3 wires twisted           Wire arrangement         black 1, black 2, green-yellow         Cable weigth         63.8 g/m           Material jacket         PVC         Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         5.9 mm         Colerameter (jacket)         5.9 mm           Tolerance outer (jameter (jacket)         5.9 mm         Colerameter (jacket)         5.9 mm           Tolerance outer (jameter insulation         1.8 mm         Colure diameter insulation         1.8 mm           Outer diameter insulation<	Operating temperature min.	-25 °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.           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.           Installation   Cable         wire arrangement         black 1, black 2, green-yellow           Cable identification         016         Cable Type         1           Printing color of wire insulation         white (isolation black)         Jacket Color         yellow           Amount stranding         1         Stranding         3 wires twisted           Wire arrangement         black 1, black 2, green-yellow         Cable weigth         63,8 g/m           Material jacket         PVC         Stranding         3 wires twisted           Wire arrangement         black 1, black 2, green-yellow         Cable weigth         63,8 g/m           Material jacket         PVC         Shore hardness jacket         80 ± 5 Shore A         Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5.9 mm         Tolerance outer diameter (sketh)         ± 5 %         Gabe         Gabe         Gabe         Gabe         Gabe         Gabe         Gamount wires	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 radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable         Image: Cable Type         Image: Cable Type           Cable identification         016         Cable Type         1           Printing color of wire insulation         white (isolation black)         Iacket Color         yellow           Amount stranding         1         Stranding         Stranding <t< td=""><td>Additional condition temperature range</td><td>depending on cable quality</td></t<>	Additional condition temperature range	depending on cable quality
Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation   Cable           wire arrangement         black 1, black 2, green-yellow           Cable identification         016           Cable Type         1           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weigth         63,8 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,8 mm           Outer diameter insulation         1,8 mm           Outer diameter insulation         43 ± 5 Shore D           Material properties wire insulation         43 ± 5 Shore D	Important installation notes	
Note on behalting radius       endangered by excessive bending forces.         Installation   Cable         wire arrangement       black 1, black 2, green-yellow         Cable identification       016         Cable Type       1         Printing color of wire insulation       white (isolation black)         Jacket Color       yellow         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow         Cable weigth       63.8 g/m         Material jacket       PVC         Shore hardness jacket       80 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       5.9 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter tolerance core insulation       1,8 mm         Outer diameter tolerance core insulation       43 ± 5 Shore D         Material properties wire insulation       43 ± 5 Shore D         Material properties wire insulation       lead-free, cadmium-free, CFC-free, silicone-free	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
wire arrangementblack 1, black 2, green-yellowCable identification016Cable Type1Printing color of wire insulationwhite (isolation black)Jacket ColoryellowAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth63,8 g/mMaterial jacketPVCShore hardness jacket80 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationis 5 %Shore hardness wire insulationis 5 %Shore hardness wire insulationis 5 %Cuter diameter tolerance core insulationis 5 %Shore hardness wire insulationis 64-free, cadmium-fr		
Cable identification016Cable Type1Printing color of wire insulationwhite (isolation black)Jacket ColoryellowAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth63.8 g/mMaterial jacketPVCShore hardness jacket80 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationis Shore DMaterial properties wire insulationlead-free, cadmium-free, CFC-free, silicone-free	Note on bending radius	
Cable Type1Printing color of wire insulationwhite (isolation black)Jacket ColoryellowAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth63,8 g/mMaterial jacketPVCShore hardness jacket80 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-free		
Printing color of wire insulation       white (isolation black)         Jacket Color       yellow         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow         Cable weigth       63.8 g/m         Material jacket       PVC         Shore hardness jacket       80 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       5,9 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter tolerance core insulation       1,8 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       43 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cEFC-free, silicone-free	Installation   Cable	endangered by excessive bending forces.
Printing color of wire insulation       white (isolation black)         Jacket Color       yellow         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       black 1, black 2, green-yellow         Cable weigth       63.8 g/m         Material jacket       PVC         Shore hardness jacket       80 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, silicone-free         Outer-diameter (jacket)       5,9 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PVC         Amount wires       3         Outer diameter tolerance core insulation       1,8 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       43 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cEFC-free, silicone-free	Installation   Cable wire arrangement	endangered by excessive bending forces. black 1, black 2, green-yellow
Jacket ColoryellowAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowCable weigth63,8 g/mMaterial jacketPVCShore hardness jacket80 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,8 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cZFC-free, silicone-free	Installation   Cable wire arrangement Cable identification	endangered by excessive bending forces. black 1, black 2, green-yellow 016
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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         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free	Installation   Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	endangered by excessive bending forces. black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free
Amount wires       3         Outer diameter insulation       1,8 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       43 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free	Installation   Cable wire arrangement Cable identification Cable Type Printing color of wire insulation Jacket Color Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	endangered by excessive bending forces. black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm
Outer diameter insulation       1,8 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       43 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free	Installation   Cable         wire arrangement         Cable identification         Cable Type         Printing color of wire insulation         Jacket Color         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)	endangered by excessive bending forces.         black 1, black 2, green-yellow         016         1         white (isolation black)         yellow         1         3 wires twisted         black 1, black 2, green-yellow         63,8 g/m         PVC         80 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,9 mm         ± 5 %
Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       43 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free	Installation   Cable         wire arrangement         Cable identification         Cable Type         Printing color of wire insulation         Jacket Color         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation	endangered by excessive bending forces.         black 1, black 2, green-yellow         016         1         white (isolation black)         yellow         1         3 wires twisted         black 1, black 2, green-yellow         63,8 g/m         PVC         80 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,9 mm         ± 5 %         PVC
Shore hardness wire insulation       43 ± 5 Shore D         Material properties wire insulation       good machinability         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, silicone-free	Installation   Cable         wire arrangement         Cable identification         Cable Type         Printing color of wire insulation         Jacket Color         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires	endangered by excessive bending forces. black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3
Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free	Installation   Cablewire arrangementCable identificationCable TypePrinting color of wire insulationJacket ColorAmount strandingStrandingwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter insulation	endangered by excessive bending forces. black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63.8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3 1,8 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Installation   Cablewire arrangementCable identificationCable IypePrinting color of wire insulationJacket ColorAmount strandingStrandingwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationOuter diameter tolerance core insulation	endangered by excessive bending forces. black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3 1,8 mm ± 5 %
	Installation   Cable         wire arrangement         Cable identification         Cable Type         Printing color of wire insulation         Jacket Color         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Outer diameter tolerance core insulation	endangered by excessive bending forces.         black 1, black 2, green-yellow         016         1         white (isolation black)         yellow         1         3 wires twisted         black 1, black 2, green-yellow         63,8 g/m         PVC         80 ± 5 Shore A         lead-free, cadmium-free, CFC-free, silicone-free         5,9 mm         ± 5 %         PVC         3         1,8 mm         ± 5 %         43 ± 5 Shore D
	Installation   Cablewire arrangementCable identificationCable TypePrinting color of wire insulationJacket ColorAmount strandingStrandingwire arrangementCable weigthMaterial jacketShore hardness jacketFreedom from ingredients (jacket)Outer-diameter (jacket)Tolerance outer diameter (sheath)Material wire insulationAmount wiresOuter diameter tolerance core insulationShore hardness wire insulationMaterial properties wire insulation	endangered by excessive bending forces. black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3 1,8 mm ± 5 %
prmation in this Product-PDF has been compiled with the utmost care.	Installation   Cable         wire arrangement         Cable identification         Cable Type         Printing color of wire insulation         Jacket Color         Amount stranding         Stranding         wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation         Ingredient freeness wire insulation	endangered by excessive bending forces. black 1, black 2, green-yellow 016 1 white (isolation black) yellow 1 3 wires twisted black 1, black 2, green-yellow 63,8 g/m PVC 80 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 5,9 mm ± 5 % PVC 3 1,8 mm ± 5 % 43 ± 5 Shore D good machinability 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: 2024-05-22

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Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	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)	3 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 ℃
Operating temperature max. (dynamic)	70 °C
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

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