

## M12 male 0° A-cod. / MSUD valve plug B-10mm

PVC 3x0.75 bk 2m

Form B (10 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression

Further cable lengths on request.

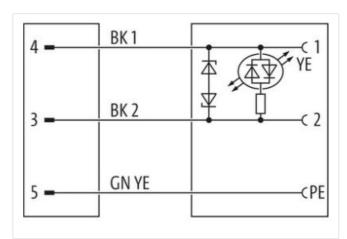
Plastic housings with good resistance against chemicals and oils.

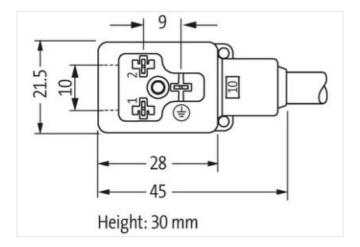
The resistance to aggressive media should be individually tested for your application. Further details on request.

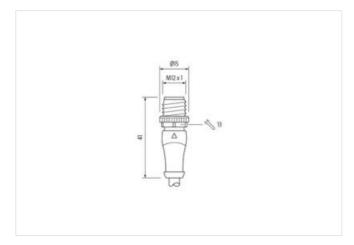
## **Link to Product**

## Illustration



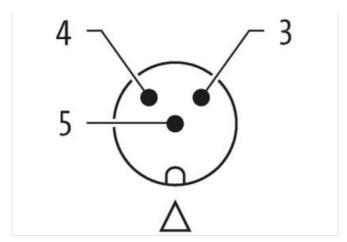


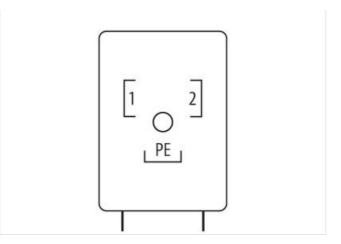






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Product may differ from Image







Cable length	2 m
Side 1	
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
Side 2	
Tightening torque	0,4 Nm
Family construction form	MSUD B
Thread	M3
No. of poles	3
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.0 ECLASS-6.1	27279218 27279218
ECLASS-6.1	27279218
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0	27279218 27279218
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ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1	27279218 27279218 27279218 27060312 27060312 27060312
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0	27279218 27279218 27279218 27060312 27060312 27060312 27060312
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-11.0 ETIM-5.0 customs tariff number GTIN	27279218 27279218 27279218 27060312 27060312 27060312 27060312 EC001855
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number	27279218 27279218 27279218 27060312 27060312 27060312 27060312 EC001855 85444290
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-11.0 ETIM-5.0 customs tariff number GTIN	27279218 27279218 27279218 27060312 27060312 27060312 27060312 EC001855 85444290 4048879147668
ECLASS-6.1 ECLASS-7.0 ECLASS-8.0 ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN Packaging unit	27279218 27279218 27279218 27060312 27060312 27060312 27060312 EC001855 85444290 4048879147668



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19.2 V   1		
Operating voltage AC max.   28 8 V	Operating voltage AC	24 V
Operating voltage DC Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         50 V           Cut off peak voltage max.         55 V           Cut off peak voltage max.         4 A           Degravation of peak voltage max.         4 A           Powice protection Electrical         Very peak voltage max.           Additional condition protection degree         Inserted, sorewell           Pated surge voltage of the peak voltage of the	Operating voltage AC min.	19,2 V
Sperating voltage DC min.   18 V	Operating voltage AC max.	28,8 V
Soerating voltage DC max. 90 V Current operating per contact max. 4 A  Diagnostics  Status Indication LED yellow  Divide protection   Electrical  Additional condition protection degree insented, screwed  Additional condition protection degree insented, screwed  Additional suppressor 2, Dodo  Makerial proug IES 00064-1) 1  Additional suppressor 2, Dodo  Mickeling Iccking   Nickeling   Nic	Operating voltage DC	24 V
Cut of the post voltage max.         5 V           Current operating per contact max.         4 A           Device protection   Electrical           Status indication LED         yellow           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Relational surge voltage         0.8 kW           Material group (EC 60064-1)         1           Additional surge voltage         2.0 clode           Mechanical data   Material data         Contring looking           Conting looking         Nickeled           Cooking screw coating         verzinkt           Control pooling         black           Material housing         Plastic           Cooking material         2/n cell ceasting           Mechanical data   Mounting data         Inserted, screwed           Micromatical characteristics   Climatic         Environmental characteristics   Climatic           Operating temperature max.         85 °C           Operating temperature max.         85 °C           Additional control temperature may.         85 °C           Operating temperature max.         85 °C           Cable Type         1           Product standard         black in the counting temperature max.		18 V
Diagnostics Status indicator LED yellow  Device protection   Electrical   Additional acondition protection agree   Additional acondition protection agree   Additional acondition protection agree   Additional suppressor   0,5 kV   Material group (IEC 60684-1)   I   Additional suppressor   2 Diode   Additional suppressor   2 Diode    Coating locking   Nickeled   Locking reversity   Locking reversity   Pastel   Locking reversity   Pastel   Locking reversity   Pastel   Locking reversity   Pastel   Locking material   Material thousing   Pastel   Locking material   Material thousing   Pastel   Locking material   Inserted, screwed   Material thousing   Pastel   Locking material   Inserted, screwed   Mounting method   Inserted, screwed   Mounting metho		30 V
Disputorition         Status indication LED         yellow           Device protection   Electrical         Device protection   Electrical           Additional condition protection degree         inserted, screwed           Rated surge voltage         0.9 k V           Maderial group (IEC 60684-1)         1           Additional suppressor         2-Dode           Mochanical datal Material datal         Mickelled           Cooking survey wording         verzinkt           Cooking survey wording         verzinkt           Cooking material         2-Busild           Cooking material         2-Busild           Cooking material         2-Busild           Cooking material         2-Busild           Cooking material         3-Busild           Conditional continue         1-Busild           Continuing method         inserted, screwed           Environmental characteristics   Climatic         1-Busild           Coperating temperature max.         85 °C           Operating temperature max.         85 °C           Operating temperature max.         85 °C           Conformity         1-Busildation   Cable           Colin classification         616           Cable identification         616           Ca	Cut-off peak voltage max.	55 V
Status indication LED yellow  Pevice protection   Electrical  Additional condition protection degree inserted, screwed    Rated surge voltage 0,8 kV    Material group (IEC 60664-1)   I    Additional suppressor 2-Dode    Machanical data  Material data    Mickeled    Locking screw coating   Verzinkt    Coating locking   Plastic    Locking screw coating   Plastic    Locking raterial   Zinc dis-casting    Machanical data  Munting data    Environmental characteristics   Climatic    Operating temperature min. 25 °C    Operating temperature max. 85 °C    Operating temper	Current operating per contact max.	4 A
Additional condition protection degree inserted, screwed  Additional condition protection degree (served)  Additional suppressor (2-Diode  Additional suppress	Diagnostics	
Additional condition protection degree Rated surge voltage 0,8 kV Machanizal group [15C 50964-1)   1 Additional suppressor	Status indication LED	yellow
Rated surge voltage  O,8 kV  Malariar group (EC 60664-1)  I  Additional suppressor  Z-Dode  Mechanical data   Material data  Coaling locking Nickeled Locking sorew oating  verzinkt  Color housing black  Material housing Plastic Locking marten and the surge of the s	Device protection   Electrical	
Material group (EC 606641)         I           Additional suppressor         2 Diode           Mechanical data [Material data]         Mickeled           Locking sorew costing         verzinkt           Color housing         black           Meterial housing         Plastic           Locking material         Zinc die-casting           Mechanical data [Mounting data]         Mechanical data [Mounting data]           Mounting method         inserted, screwed           Environmental characteristics [Climatic         Coperating temperature min.         25 °C           Operating temperature man.         65 °C           Additional condition temperature range         depending on cable quality           Conformity         Froduct standard         DIN EN 61076-2-101 [M12], DIN EN 175301-803 [MSUD]           Installation [Cable]         Sinate (Solical Cable) (Solica	Additional condition protection degree	inserted, screwed
Mechanical data   Material data         Mickeled           Coating locking         Nickeled           Locking screw ceating         verzinkt           Color housing         black           Material housing         Plastic           Locking material         Zno die-casting           Mechanical data   Mounting data         Mounting method           Merry (Particular of the properties of Climatic         So C           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         To Conformity           Product standard         Din En 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           Installation   Cable         So E           Cable identification         616           Cable identification         616           Cable identification         616           Cable identification         616           Standing         1           Maker Color         black           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow	Rated surge voltage	0,8 kV
Mechanical data   Material data Coating looking Nickeled Looking sorew coating verzinkt Coating sorew coating Material housing black Material housing Plastic Looking material Zinc die-casting Mechanical data   Mounting data Muouring method Inserted, screwed  Environmental characteristics   Climatic  Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)  Installation   Cable Cable identification   616 Cable identification   1 Printing color of wire insulation   white (isolation black) Jacket Color black Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weight 80 ± 5 Shore A Freedom from ingredients (jacket)   184 mm Freedom from ingredients (jacket)   184 mm Tolerance outer diameter (sheath)	Material group (IEC 60664-1)	I
Coating locking         Nickeled           Locking screw coating         verzinkt           Color housing         black           Material housing         Plastic           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed           Environmental characteristics   Climatic         Comperating temperature min.         -25 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN En 61076-2-101 (M12), DIN EN 175301-803 (MSUD)           Installation   Cable         Cable identification         616           Cable identification of vire insulation         616         Cable intigon of vire insulation           Jacket Color         black         Diack           Amount stranding         1         1           Stranding         3 wires twisted           wire arrangement         black 1, black 2, green-yellow           Cable weight         616, gim           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Teredom from ingredients (jacket)         5,9 mm	Additional suppressor	Z-Diode
Locking screw coating verzinkt Color housing black Material housing Plastic Locking material Zinc die-casting  Mechanical data   Mounting data Mounting method Inserted, screwed  Environmental characteristics   Climatic  Coperating temperature min25 °C  Operating temperature min25 °C  Operating temperature many depending on cable quality  Conformity  Product standard Din En 161076-2-101 (M12), DIN EN 175301-803 (MSUD)  Installation   Cable  Cable dentification 616  Cable Type 1  Finiting color of wire insulation white (isolation black)  Jacket Color black  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigh 61,6 g/m  Material jacket PVC  Shore hardness jacket PVC  Shore hardness jacket PVC  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ±5 %  Material wire insulation 1,8 mm  Outer diameter risulation 1,8 mm  Outer diameter risulation 2,5 %  Shore landness wire insulation 43 ±5 Shore D  Material product in sulation 1,9 mediants (jacket) 1,8 mm  Outer diameter risulation 43 ±5 Shore D  Material products wire insulation 1,8 mm  Outer diameter risulation 1,8 def-rice, cadmium-free, CFC-free, silicone-free  Outer-free, cadmium-free, CFC-free, silicone-free  Outer diameter risulation 1,8 mm  Outer diameter risulation 1,8 mm  Outer diameter risulation 1,8 mm  Outer diameter risulation 1,8 def-rice, cadmium-free, CFC-free, silicone-free	Mechanical data   Material data	
Locking screw coating verzinkt Color housing black Material housing Plastic Locking material Zinc die-casting  Mechanical data   Mounting data Mounting method Inserted, screwed  Environmental characteristics   Climatic  Coperating temperature min25 °C  Operating temperature min25 °C  Operating temperature many depending on cable quality  Conformity  Product standard Din En 161076-2-101 (M12), DIN EN 175301-803 (MSUD)  Installation   Cable  Cable dentification 616  Cable Type 1  Finiting color of wire insulation white (isolation black)  Jacket Color black  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigh 61,6 g/m  Material jacket PVC  Shore hardness jacket PVC  Shore hardness jacket PVC  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ±5 %  Material wire insulation 1,8 mm  Outer diameter risulation 1,8 mm  Outer diameter risulation 2,5 %  Shore landness wire insulation 43 ±5 Shore D  Material product in sulation 1,9 mediants (jacket) 1,8 mm  Outer diameter risulation 43 ±5 Shore D  Material products wire insulation 1,8 mm  Outer diameter risulation 1,8 def-rice, cadmium-free, CFC-free, silicone-free  Outer-free, cadmium-free, CFC-free, silicone-free  Outer diameter risulation 1,8 mm  Outer diameter risulation 1,8 mm  Outer diameter risulation 1,8 mm  Outer diameter risulation 1,8 def-rice, cadmium-free, CFC-free, silicone-free		Nickeled
Color housing black Material housing Plastic Locking material Zinc die-casting  Mechanical data   Mounting data  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  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)  Installation   Cable Cable identification 616 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color black Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable wight 61.6 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness jacket   80 ± 5 Shore A Freedom from ingredients (jacket)   1.64 dree, cadmium-free, CFC-free, silicone-free  Outer diameter (sheath) ± 5 % Material wire insulation 1,8 mm Outer diameter insulation 43 ± 5 Shore D Material products were insulation 1,8 mm Outer diameter five were insulation 1,8 mm Outer diameter were insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter were insulation 1,8 mm Outer diameter were insulation 1,8 mm Outer diameter were insulation 1,8 mm Outer diameter insulation 1,8 mm Outer diameter were insulation 1,8 mm Outer diameter were insulation 1,8 mm Outer diameter insulation 1,8 mm		
Material housing Plastic Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Coperating temperature min.		
Mechanical data   Mounting data   Mounting data   Mounting method inserted, screwed		
Mounting method inserted, screwed  Finvironmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature max. depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)  Installation   Cable Cable identification 616 Cable Type 1 1 Printing color of wire insulation white (isolation black) Jacket Color black Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weigth 61.6 g/m Material jacket Nor PVC Shore hardness jacket 1 89 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (sheath) ± 5 % Material wire insulation 1,8 mm Outer diameter Insulation 43 ± 5 Shore D Material products wire insulation 43 ± 5 Shore D Material progredients wire insulation 43 ± 5 Shore D Material progredients wire insulation 43 ± 5 Shore D Material progredients wire insulation lead-free, cadmium-free, CFC-free, silicone-free		
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Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)  Installation   Cable  Cable identification 616  Cable Type 1  Printing color of wire insulation white (isolation black)  Jacket Color black  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weighh 61,6 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 %  Amount wire insulation 1,8 mm  Outer diameter insulation 43 ± 5 Shore D  Material properties wire insulation 43 ± 5 Shore D  Material properties wire insulation 1,9 and material properties wire insulation 1,9 an		incorted ecrowed
Operating temperature min.  25 °C Operating temperature max.  85 °C Additional condition temperature range depending on cable quality  Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)  Installation   Cable Cable identification 616 Cable identification white (isolation black)  Jacket Color black Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weigth 61,6 g/m Material jacket PVC Shore hardness jacket PVC Outer-diameter (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter core insulation 1,8 mm Outer diameter tolerance core insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free		
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Cable Type 1 Printing color of wire insulation white (isolation black)  Jacket Color black  Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow  Cable weigth 61,6 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 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	
Printing color of wire insulation white (isolation black)  Jacket Color black  Amount stranding 1  Stranding 3 wires twisted  wire arrangement black 1, black 2, green-yellow  Cable weigth 61,6 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 (gacket) 5,9 mm  Tolerance outer diameter (sheath) ± 5 %  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	Cable identification	616
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Amount stranding 1  Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow  Cable weigth 61,6 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 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	Printing color of wire insulation	white (isolation black)
Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weigth 61,6 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 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	Jacket Color	black
wire arrangement black 1, black 2, green-yellow Cable weigth 61,6 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 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	Amount stranding	1
Cable weigth  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 tolerance core insulation  43 ± 5 Shore D  Material properties wire insulation  Material properties wire insulation  Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free, silicone-free	Stranding	3 wires twisted
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 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	wire arrangement	black 1, black 2, green-yellow
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 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	Cable weigth	61,6 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  5,9 mm  Tolerance outer diameter (sheath)  45 %  Material wire insulation  PVC  Amount wires  3  Outer diameter insulation  1,8 mm  Outer diameter tolerance core insulation  43 ± 5 Shore D  Material properties wire insulation  Good machinability  Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free, silicone-free	Material jacket	PVC
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 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	Shore hardness jacket	80 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  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	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-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  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Outer-diameter (jacket)	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  Material properties wire insulation  good machinability Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free, silicone-free	Tolerance outer diameter (sheath)	±5%
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	Material wire insulation	PVC
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	Amount wires	3
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	Outer diameter insulation	1,8 mm
Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Shore hardness wire insulation	43 ± 5 Shore D
<u> </u>	Material properties wire insulation	good machinability
Printing color of wire insulation white (isolation black)	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
	Printing color of wire insulation	white (isolation black)



Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	500 V
Power frequency withstand voltage power (wire - jacket)	3 kV @ 60 s
AC withstand voltage power (wire - wire)	3 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   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