

## M12 male 90° A-cod. / MSUD valve plug A-18mm

PUR 5x0.34 gy UL/CSA+robot+drag ch. 0.6m

MSUD Form A (18 mm) – M12, male 90° 24 V DC ±25% LED (red/green) for pressure switches Further cable lengths on request.

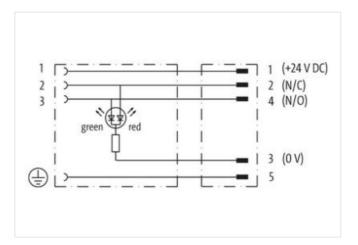
Plastic housings with good resistance against chemicals and oils.

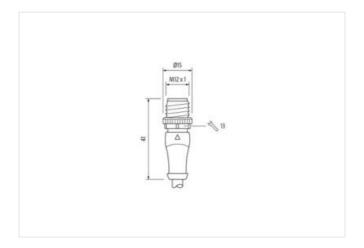
The resistance to aggressive media should be individually tested for your application. Further details on request.

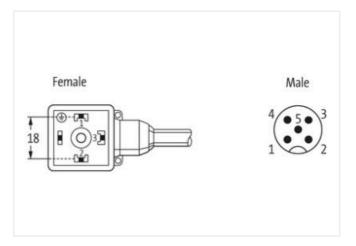
## **Link to Product**

## Illustration











stay connected



Product may differ from Image



Cable length	0,6 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	MSUD
Thread	M3
suitable for corrugated tube (internal Ø)	10 mm
No. of poles	4
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	5
Width across flats	SW13
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	4048879609517
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V

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: 2024-05-19



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Current operating per contact max. 12 mA Current consumption max. 12 mA Diagnositics  Status indication LED green, red  Device protection   Electrical  Additional containing protection protection degree inserted, screwed Pollution Diagnee 3 Ratided surp voltage on green and additional containing protection degree inserted, screwed Pollution Diagnee 3 Ratided surp voltage on green and additional containing protection degree on green and additional containing protection degree on green and additional containing temperature max. 85 °C Operating temperature max. 85 °C	Operating voltage DC max.	30 V
Diagnostics  Things protection   Electrical Additional condition   Electrical Additional Conditional Additional   Electrical Additional Conditional		
Situes infocation LED green, red  Political position   Electrical   Inserted, screwed    Political pages   3   Inserted, screwed    Political pages   3   Section   Political pages   3    Mechanical data   Material data   Material data    Mechanical data   Material data   Material data    Molarifial flowing   Plastic    Molarifial data   Mounting data   Mounting data    Molarifial data   Mounting data    Molari		
Status Indication LED green, red  Portice protection   Electrical  Additional condition protection degree  inserted, screwed  Pollution Degree  3  Raided surp vortiage  0,8 kV  Machanical data   Material data  Color housing  Makerial proup (IEC 90084-1)  Plastic  Machanical data   Material data  Color housing  Makerial housing  Plastic  Machanical data   Mauriting data  Material floration  Machanical data   Mauriting data  Material proup in the many plastic  Machanical data   Mauriting data  Material housing method  Inserted, screwed  Environmental characteristics   Climatic  Operating temperature min.  25 ° C  Operating temperature min.  25 ° C  Operating temperature man.  85 ° C  Advanced on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tees.  Notes on strain relief  Attention: Observe the permissible bonding radii when laying cabbies, as the IP protection class can be ordinagered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Vertillatecker)  Installation (Cabbe  wire arrangement  brown, black, blue, white, green-yellow  Cable Installation (Cabbe  year experiment of the protection of the protect	·	12 IIIA
Device protection   Electrical		
Additional condition protection degree inserted, screwed  Pollution Degree 3  Alarded surge voltage 0,8 kV  Material group (IEC 80864-1)   Color housing black  Material housing black  Material housing Plastic  Mechanical data   Material data   Material data   Material housing   Plastic   Mechanical data   Mounting da	Status indication LED	green, red
Related surper voltage  3. Related surper voltage  3. Related surper voltage  3. Related surper voltage  4. Mochanical data   Material data  Color housing  4. Machanical data   Material data  Color housing  4. Mechanical data   Material data  Mechanical data   Mounting data  Mechanical data   Mounting data  Mounting method  5. Plastic  Mechanical data   Mounting data  Mounting method  5. Plastic  Operating temperature min.  4.25 °C  Operating temperature max.  8. 8 °C  Additional condition temperature range  depending on cable quality  Important installation notes  Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contormity  Product standard  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilatecker)  Installation   Cable  wire arrangement  brown, black, blue, white, green-yellow  Cable Identification  2.55  Cable Type  5  Cable Type  5  Cable Type  5  Cable Type  5  Cable Type  6  Cable Type  7  Cable Weight  1. Sternaring  1. Sternaring  5. Wires arrangement  brown, black, blue, white, green-yellow  Cable weight  4.18, g/m  Material packet  Filler  yes  Wire arrangement  brown, black, blue, white, green-yellow  Cable weight  4.18, g/m  Material packet  Filler  yes  Wire arrangement  brown, black, blue, white, green-yellow  Cable weight  4.18, g/m  Material packet  5. Film  Filler  yes  Wire arrangement  Drown, black, blue, white, green-yellow  Cable weight  4.18, g/m  Material packet  5. Filler  yes  Wire arrangement  Carlo Carl	Device protection   Electrical	
Rated surge voltage 0,8 kV  Material prop (EC 60664-1) I  Color housing black Material fortal Material data  Color housing black Material housing Plastic  Color housing black Material housing Plastic  Mounting method inserted, screwed  Environmental Characteristics   Climatic  Operating temperature man. 25 ° C  Additional condition temperature range depending on cable quality  Important Installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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 (Ventilatecker)  Installation   Cable  Wire arrangement brown, black, blue, white, green-yellow  Cable dentification   255  Cable Type   5  Salcket Color gray  Type of Certificate CUPlus  Amount standing 1  Silves around Core filler twisted  Filler yes  Cable weigh   41.8 ym  Material packet   PUR  Shore hardmas jacket   PUR  Material packet   PUR  Material packet   PUR  Amount straiding   5 mm  Cable weigh   41.8 ym  Material packet   PUR  Amount straiding   5 mm  Carbon ingredients (jacket)   5 mm  Carbon ingredients (jacket)   5 mm  Carbon ingredients (jacket)   5 mm  Core continued on the pure of the pur	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mochanical data   Material data   Material data   Color housing black   Material housing Flastic   Mochanical data   Mounting data   Mounting method   Environmental characteristics   Climatic   Operating temperature min.	Pollution Degree	3
Mochanical data   Material data         black           Color Incusing         black           Material Nousing         Plastice           Mochanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         65 °C           Additional condition temperature may.         depending on cable quality           Important installation notes         The connectors by suitable measures from machanical loads, e.g. by the usage of cable tess.           Note on strain relef         Protect the connectors by suitable measures from machanical loads, e.g. by the usage of cable tess.           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         The flore-2-101 (M12); DIN EN 175301-803 (Ventilatecker)           Installation   Cable         The flore-2-101 (M12); DIN EN 175301-803 (Ventilatecker)           Cable dependent cannot cannot be provided to provide the control of the permission of the pe	Rated surge voltage	0,8 kV
Color housing         black           Material housing         Plastic           Mechanical data   Mounting data         Mechanical data   Mounting data           Environmental characteristics   Climatic         Commental characteristics   Climatic           Operating temperature min.         25 °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 bonding 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 (Ventilistecker)           Installation   Cable         Environmental cable dentification         25 °C           Cable (Installation)         25 °C         25 °C           Cable (	Material group (IEC 60664-1)	I
Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min.	Mechanical data   Material data	
Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min.	Color housing	black
Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min.	Material housing	Plastic
Environmental characteristics   Climatic Operating temperature min.   25 °C Operating temperature max.   85 °C Additional condition temperature range   depending on cable quality Important installation neture and   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.  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 (Ventilistecker)  Installation   Cable  Wire arrangement   Drown, black, blue, white, green-yellow Cable identification   255  Jackel Color   gray  Type of Certificate   CURus  Amount stranding   1  Stranding   5 wires arround Core filler twisted  Filler   yes  Wire arrangement   brown, black, blue, white, green-yellow  Cable wight   41,8 g/m  Material jacket   PUR  Shore hardness jacket   Freedom from ingredients (jacket)   125 °K  Material wire insulation   PP  Amount wire insulation   1,25 mm  Outer cliameter (space)   5 mm  Tolerance outer diameter (space)   5 mm  Tolerance outer diameter (space)   42,3 Shore D  Filler (space)   5 mm  Tolerance outer diameter (space)   5 mm  Tolerance outer diameter (space)   42,5 Shore D  Ingredient freeness wire insulation   74 ± 3 Shore D  Ingredient freeness wire insulation   74 ± 3 Shore D  Ingredient freeness wire insulation   74 ± 3 Shore D  Ingredient freeness wire insulation   1,25 mm  Conductor crossection (wire)   0,3 mm²  Conductor crossection (wire)   0,3 mm²  Conductor crossection (wire)   0,3 mm²	Mechanical data   Mounting data	
Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable 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 torces.  Conformity  Product standard DIN En 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow Cable identification 255 Cable Type 5 Salacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weigh 41,8 g/m Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 74 ± 3 Shore D  Ingredient freeness wire insulation 1.25 mm  Outer diameter insulation 74 ± 3 Shore D  Ingredient freeness wire insulation 1.25 mm  Conductor crosssection (wire) 0,344 mm²	Mounting method	inserted, screwed
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 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 torces.  Conformity  Product standard DIN En 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow Cable identification 255 Cable Type 5 Salacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weigh 41,8 g/m Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 74 ± 3 Shore D  Ingredient freeness wire insulation 1.25 mm  Outer diameter insulation 74 ± 3 Shore D  Ingredient freeness wire insulation 1.25 mm  Conductor crosssection (wire) 0,344 mm²	-	
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 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 DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilistecker)  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow Cable identification 255  Jacket Color gray Type of Certificate cURus  Amount stranding 1  Swires arround Core filler twisted  yes  wire arrangement brown, black, blue, white, green-yellow Cable weight 41.8 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Journal of the substanding 1.5 mm  Outer diameter insulation 1.25 mm  Douter diameter insulation 1.25 mm  Outer diameter solvance core insulation 1.25 mm	·	-25 °C
Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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  wire arrangement brown, black, blue, white, green-yellow  Cable identification 255  Cable Type 5  Jaket Color gray  Type of Certificate culRus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Cable weight 41.8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter rinsulation 1,25 mm  Outer diameter resease wire insulation 1,25 mm  Diameter of sherp wire insulation 1,25 mm  Outer diameter resease wire insulation 1,25 mm  Outer diameter resease wire insulation 1,25 mm  Outer diameter resease wire insulation 1,25 mm  Diameter of sherp wire insulation 1,26 mm		
Important installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         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         Image: Im		
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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  Wire arrangement brown, black, blue, white, green-yellow  Cable identification 255  Cable Type 5  Jaket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter (sheath) ± 5 %  Shore hardness wire insulation 1,25 mm  Outer diameter tolerance core insulation 2 ± 5 %  Shore hardness wire insulation 1,25 mm  Outer diameter (sees wire insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter (sees wire insulation 1,25 mm  Outer diameter (sees wire insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter (sees wire insulation 1,25 mm  Outer diameter (sees wi	•	
endangered by excessive bending forces.  Conformity  Product standard  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  Installation   Cable  Wire arrangement  Drown, black, blue, white, green-yellow  Cable identification  255  Cable Type  5  Jacket Color  gray  Type of Certificate  Amount stranding  1  Stranding  5 wires around Core filler twisted  Filler  yes  wire arrangement  Drown, black, blue, white, green-yellow  Cable weight  41.8 g/m  Material jacket  PUR  Shore hardness jacket  58 ± 3 Shore D  Freedom from ingredients (jacket)  Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  1,25 mm  Outer diameter rolerance core insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  74 ± 3 Shore D  Ingredient freeness wire insulation  1,25 mm  Conductor crosssection (wire)  0,34 mm²  Conductor crosssection (wire)  0,34 mm²  Conductor crosssection (wire)  0,34 mm²	Note on strain relief	<u>`</u>
Product standard         DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)           Installation   Cable           wire arrangement         brown, black, blue, white, green-yellow           Cable identification         255           Cable Type         5           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigh         41,8 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         2 %           Shore hardness wire insulation         1,25 mm           Outer diamete	Note on bending radius	
Installation   Cable           wire arrangement         brown, black, blue, white, green-yellow           Cable identification         255           Cable Type         5           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         41,8 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         4 2 3 Shore D           Ingredient freeness wire insulation         14 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free <t< td=""><td>Conformity</td><td></td></t<>	Conformity	
wire arrangement brown, black, blue, white, green-yellow Cable identification 255 Cable Type 5 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weigth 41,8 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 24 ± 3 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter (sheaths) 1 + 5 % Shore hardness wire insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 4 ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter folerance core insulation 1,25 mm	Product standard	DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)
Cable Identification         255           Cable Type         5           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         41,8 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)	Installation   Cable	
Cable Identification         255           Cable Type         5           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         41,8 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)	wire arrangement	brown, black, blue, white, green-vellow
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weigth 41,8 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 27 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,14 mm²	Cable identification	
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Cable weigth 41,8 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter rolerance core insulation 1,25 mm Outer diameter tolerance core insulation 2+ 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,14 mm²	Cable Type	5
Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weigth         41,8 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²	Jacket Color	gray
Stranding 5 wires around Core filler twisted  Filler yes wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Type of Certificate	cURus
Filler yes wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Amount stranding	1
wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Stranding	5 wires around Core filler twisted
Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Filler	yes
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm²	wire arrangement	brown, black, blue, white, green-yellow
Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Cable weigth	41,8 g/m
Freedom from ingredients (jacket)  Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  4 ± 3 Shore D  Ingredient freeness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  42  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  0,34 mm²	Material jacket	PUR
Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheath) ±5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Shore hardness jacket	58 ± 3 Shore D
Tolerance outer diameter (sheath) ±5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Outer-diameter (jacket)	
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Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Amount wires	
Shore hardness wire insulation 74 ± 3 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Outer diameter insulation	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²	Outer diameter tolerance core insulation	
Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm²		
Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm <sup>2</sup>		
Conductor crosssection (wire) 0,34 mm <sup>2</sup>		
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Material conductor wire Stranded copper wire, bare		· · · · · · · · · · · · · · · · · · ·
	Material conductor wire	Stranded copper wire, bare

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: 2024-05-19



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	4,5 A
Electrical resistance line constant wire	60 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min