

## M8 male 0° A-cod. / MSUD valve plug CI-9.4mm small

PUR 3x0.34 ye UL/CSA+drag ch. 1m

**MSUD** 

Form CI (9.4 mm) - M12, male straight 24 V AC  $\pm 20\%$  / DC  $\pm 25\%$ 

2-pole used

LED and suppression

Further cable lengths on request.

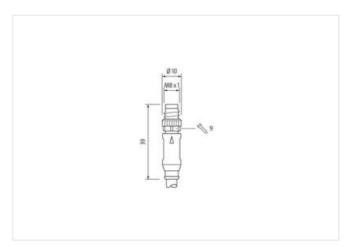
Plastic housings with good resistance against chemicals and oils.

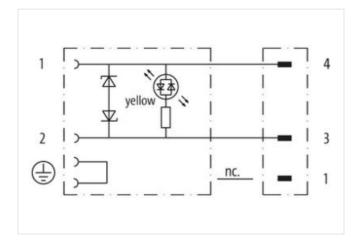
The resistance to aggressive media should be individually tested for your application. Further details on request.

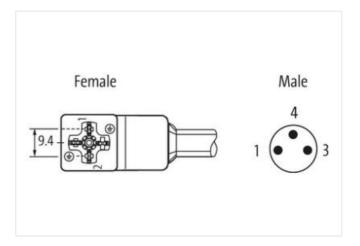
## **Link to Product**

## Illustration



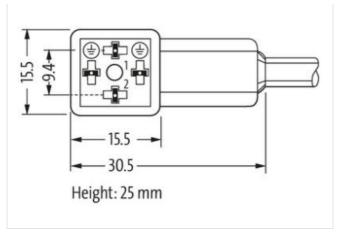








stay connected



Product may differ from Image

Cable length	1 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M8
Thread	M3
Material	PUR
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
Thread	M8 x 1
Material	PBT
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	4048879120135
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data   Supply	
Operating voltage AC	24 V
Operating voltage AC min.	19,2 V
Operating voltage AC max.	28,8 V
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	yellow



stay connected

Degree of protection (EN IEC 60529)	Device protection   Electrical	
Additional condition protection degree Pollution Degree 3 Rational surger voilage 0,8 kV Material group (EC 60004.1) 1 Coating looking Mechanical data   Material data Coating looking Nokeled Coating looking Plastic Looking material Pessic Looking material Rechanical data   Mounting data Rechanical data   Rechanical		IDAS IDAZ IDAA IDAAK
Pealution Depree 3 Additional suppressor 0,5 kV Malarial group (IIC 00064-1) 1 Additional suppressor 0,5 kV Malarial group (IIC 00064-1) 1 Additional suppressor 0,5 kV Malarial group (IIC 00064-1) 1 Cooling looking Nickeled 5 Cooling looking Nickeled 5 Cooling looking Nickeled 7 Cooling bluck Material housing Plasts Looking material 7 Material housing Plasts Looking material 7 Machanical data Mounting data Material housing 6 Environmental characteristics (Climatic Departing temperature min. 25 °C Operating temperature min. 26 °C Operating temperature min. 26 °C Operating temperature min. 27 °C Operating temperature min. 28 °C Operating temperature min. 29 °C Operating temperature min.		
Raider Surgius voltage  Mechanical data   Material data   Mechanical data   Material data   Color housing   black   Color housing   black   Material housing   plastic   Color housing   black   Material housing   plastic   Color housing   plastic   Color housing   plastic   Color housing   plastic   Coloring material   Zinc die casting   Mechanical data   Mounting data   Mounting method   inserted, sorewed   Environmental characteristics   Climate   Coperating temperature min.   25 °C   Coperating temperature min.   25 °C   Coperating temperature max.   85 °C   Addisonal condition temperature range   depending on cable quality   Important installation notes   Note on bending radius   Afterior: Observe the permissible bending radii when laying cables, as the IP protection class can be entangered by excessive bending forous.  Installation   Cable   Cable identification   033   Staket Golor   yellow   Staket		
Material group (EC 60664-1) Additional suppressor Diode, Z-Diode  Mochanical data   Material data  Coating looking Nickeled Coating looking Diack Material frouzing Mate		•
Additional suppressor  Mechanical data   Material data  Color housing black  Material housing plasts  Color housing Plasts  Locking material Zanc diseasting  Mechanical data   Mounting data  Mounting method seasting  Mechanical data   Mounting data  Mounting method seasting  Mounting method seasting  Coperating temperature min. 925 °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 ites.  Note on bending radius Atlantina. Chebreve the permissible bending radii when laying cables, as the IP protection class can be ordangered by excessive bending forces.  Installation   Cable  Cable identification 0.33  Cable Type 3  Locket Color yellow  Ying of Certificate Quality  Wire arrangement brown, black, blue  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable leverificate PUR  Material jacket PUR  Material wire insulation PP  Amount wires  3  Quier diameter (gacket) 1, 1 mm  Duier diameter (radexet) 2, 5 %  Material wire insulation PP  Amount wires  3  Quier diameter for insulation 1, 25 %  Material wire insulation 1, 25 mm  Duier diameter tolerance oore insulation 2, 45 %  Material wire insulation 1, 25 mm  Duier diameter tolerance oore insulation 2, 45 %  Material wire insulation 1, 25		0,8 kV
Mechanical data   Material data         Nickeled           Coasining looking         bibox           Material housing         Plastic           Locking material         Zinc die casting           Mounting material         Zinc die casting           Mounting material         inserted, screwed           Environmental characteristics   Climatic         Operating temperature min.           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 ites.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endanged by excessive bending forces.           Label destribitation   Cable         Cable identification   Cable           Cable identification   Cable         033           Label identification   Cable         033           Stacket Color         yallow           Type of Certificate         cluffug           Amount stranding         1           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weigh         28.7 gim           Material jacket		 
Coating locking Michael Solicy	Additional suppressor	Diode, Z-Diode
Color housing black Material housing Plastic Locking material Zorn die casting  Mechanical data   Mounting data Mounting method Inserted, screwed  Environmental characteristics   Climatic  Operating temperature mix. 25 °C Operating temperature mix. 85 °C Operating temperature mix. 85 °C Operating temperature mix. 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 bendring radii when laying cables, as the IP protection class can be endangered by excessive bendring forces.  Installation   Cable  Label displant   Cable	Mechanical data   Material data	
Meterial housing Plastic Locking material a Zinc die-casting  Mounting method Inserted, screwed  Environmental characteristics   Climatic  Operating temporature min. 25 °C  Operating temporature min. 35 °C  Additional condition temperature max. 35 °C  Additional condition temperature max. 35 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on sharin risellation notes  Note on sharin risellation notes  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable   Ca	Coating locking	Nickeled
Locking material Mounting data Mounting method inserted, screwed  Environmental characteristics   Climatic  Coperating temperature min25 °C  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingradius endingreed by excessive bending forose.  Installation   Cable  Cable identification   033  Cable (Type   33  Lacket Color   yellow   34  Lacket Color   yellow   35  Lacket Color   y	Color housing	black
Mechanical data   Mounting data   Mounting data   Mounting method   Inserted, screwed    Environmental characteristics   Climatic   Coperating temperature min.	Material housing	Plastic
Mounting method inserted, sorewed  Environmental characteristics   Climatic  Departing temperature min. 425 °C  Operating temperature may. 486 °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 fies.  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    Cable identification 033  Cable Type 3  Jacket Cofor yellow  Type of Certificate culffus  Anount stranding 1  Stranding 3 were twisted  Wire arrangement brown, black, blue  Traversing distance (C-track) 10 m @ 25 °C   horizontal Cable weight (Leg. actimum-free, CFC-free, halogen-free, silicone-free)  Outer-diameter (jacket) 1,1 mm  Tolerance outer diameter (seealth) 4,5 %  Material jacket (health) 1,25 mm  Jouer diameter (jacket) 7,4 5 Shore D  Amount strandis (wire) 4,2 Shore D  Amount wires 3  Outer diameter (seealth) 1,25 mm  Outer diameter insulation 7,4 5 Shore D  Diameter of single wires  Jouer diameter insulation 7,4 5 Shore D  Diameter of single wires  Jouer diameter freeness were insulation 7,4 5 Shore D  Diameter of single wires  Jouer diameter freeness were insulation 7,4 5 Shore D  Diameter of single wires  Jouer diameter foliance or one insulation 7,4 5 Shore D  Diameter of single wires  Jouer diameter foliance or one insulation 7,4 5 Shore D  Diameter of single wires  Jouer diameter of single wires  Jouer diameter foliance or one insulation 7,4 5 Shore D  Diameter of single wires  Jouer diameter foliance or one insulation 7,4 5 Shore D  Jouer diameter foliance or one insulation 7,4 5 Shore D  Jouer diameter foliance or one insulation 7,4 5 Shore D  Jouer diameter foliance or one insulation 7,4 5 Shore D  Jouer diameter foliance or one insulation 7,4 5 Shore D  Jouer diameter foliance or one insulation 7,4 5 Shore D  Jouer diameter foliance or one in	Locking material	Zinc die-casting
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 Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  Cable (Installation   Cable   C	Mechanical data   Mounting data	
Operating temperature min.	Mounting method	inserted, screwed
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 strain relief Protection dass can be endangered by excessive bending radiiwhen laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable   Cable identification	Environmental characteristics   Climatic	
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 strain relief Protection dass can be endangered by excessive bending radiiwhen laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable   Cable identification	·	
Important installation notes	· · · · · · · · · · · · · · · · · · ·	
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Installation   Cable  Cable identification   033  Cable identification   033  Cable identification   033  Cable Type   3  Jacket Color   yellow   Type of Certificate   cURus   Amount stranding   1  Stranding   3 wires twisted   Wire arrangement   brown, black, blue   Traversing distance (C-track)   10 m @ 25 °C   horizontal   Cable weight   29,7 g/m   Material jacket   PUR  Shore hardness jacket   90 ± 5 Shore A  Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Duter-diameter (jacket)   4,1 mm   Tolerance outer diameter (sheath)   ± 5 %  Material wire insulation   pP  Amount wires   3  Outer diameter insulation   1,25 mm   Duter diameter insulation   1,25 mm   Duter diameter insulation   70 ± 5 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   Material conductor wire   Stranded copper wire, bare   Conductor rosssection (wire)   0,34 mm²   Material conductor wire   Stranded copper wire, bare   Conductor type (wire)   stranded capacity (standard)   to DIN VDE 0298-4   Current load capacity min. wire	Note on strain relief	
Cable identification         033           Cable Type         3           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weight         29.7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         pp           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter rolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 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 m	Note on bending radius	
Cable Type         3           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weigth         29, 7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Cornductor type (wire)         strand class 6	Installation   Cable	
Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Traversing distance (C-track) 10 m @ 25 °C   horizontal Cable weigth 29,7 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 99±5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outler-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ±5 % Material wire insulation pp Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ±5 % Shore hardness wire insulation 70±5 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 Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nonlinal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A	Cable identification	033
Type of Certificate cuRus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation pP  Amount wires 3  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 2 ± 5 %  Shore hardness wire insulation 10 tead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount swire insulation 1,25 mm  Outer diameter tolerance core insulation 1 tead-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  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nowman voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Cable Type	3
Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weigth         29,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         pP           Amount wires         3           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerances wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 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 orsssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)	Jacket Color	yellow
Stranding 3 wires twisted wire arrangement brown, black, blue Traversing distance (C-track) 10 m @ 25 °C   horizontal Cable weigth 29,7 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation pp Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter rolerance core insulation 1,25 mm Outer diameter rolerance core insulation 70 ± 5 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 Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A	Type of Certificate	cURus
wire arrangement brown, black, blue  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 50 ± 5 %  Shore hardness wire insulation 10 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  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Amount stranding	1
Traversing distance (C-track)  10 m @ 25 °C   horizontal  Cable weigth  29,7 g/m  Material jacket  PUR  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  4,1 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  25 %  Shore hardness wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire)  42  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  stranded capacity (standard)  to DIN VDE 0298-4  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  6 A	Stranding	3 wires twisted
Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 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  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	wire arrangement	brown, black, blue
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 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 Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation pp  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation 570 ± 5 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  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Cable weigth	29,7 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,1 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  5 %  Shore hardness wire insulation  1,25 mm  Outer diameter insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  Ingredient freeness wire insulation  1,25 mm  Outer diameter of single wires  On and the single wires  0,1 mm  Conductor crosssection (wire)  0,34 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Nominal voltage AC max.  300 V  Current load capacity (standard)  Tolerance, cadmium-free, CFC-free, halogen-free, silicone-free  Analogen-free, silicone-free  Stranded copper wire, bare  Conductor type (wire)  Stranded copper wire, bare  Conductor type (wire)  Stranded capacity (standard)  To DIN VDE 0298-4  Current load capacity (standard)  To Din Material conductor wire wire insulation  To Din VDE 0298-4  Current load capacity min. wire  To diameter, silicone-free, silicone-free  Analogen-free, silicone-free	Material jacket	PUR
Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3 Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 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  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard)  Current load capacity min. wire 6 A	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 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  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 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 Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6 A	Outer-diameter (jacket)	4,1 mm
Amount wires  3 Outer diameter insulation  1,25 mm Outer diameter tolerance core insulation  50	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 70 ± 5 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  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 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  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Amount wires	3
Shore hardness wire insulation 70 ± 5 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  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Outer diameter insulation	1,25 mm
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  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire)  42 Diameter of single wires  0,1 mm  Conductor crosssection (wire)  0,34 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  6 A	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)  0,34 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  6 A	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Diameter of single wires	0,1 mm
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 6 A	Conductor crosssection (wire)	0,34 mm²
Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A	Conductor type (wire)	strand class 6
Current load capacity min. wire 6 A	Nominal voltage AC max.	300 V
	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 57 Ω/km @ 20 °C	Current load capacity min. wire	6 A
	Electrical resistance line constant wire	57 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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min