

## M12 Power female 90° L-cod. with cable

PUR 5x1.5 bk UL/CSA+drag ch. 1.5m

M12 Power Female 90° 5-pole

L-coded

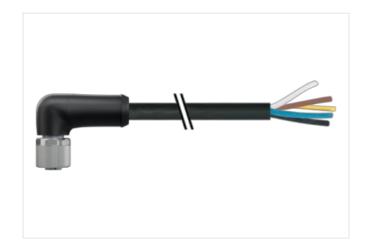
with cable sleeves

Plastic housings with good resistance against chemicals and oils.

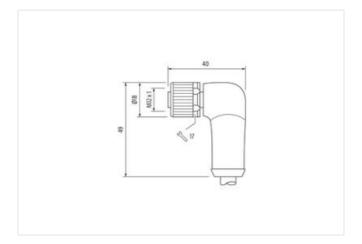
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

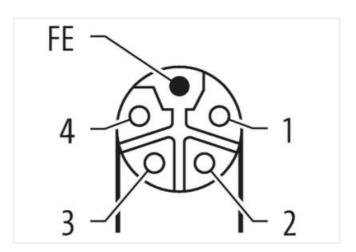
## **Link to Product**

## Illustration

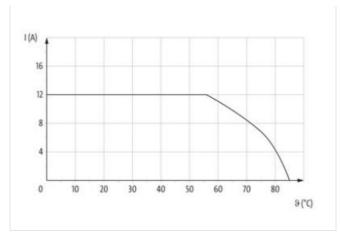








stay connected



Product may differ from Image









Cable length	1,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	16,4 mm
Coding	L
Material contact	Copper alloy
No. of poles	5
Side 2	
Stripping length (jacket)	100 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879735285
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	63 V
Current operating per contact max.	12 A
Diagnostics	
Status indication LED	no
Installation   Connection	

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: 2024-04-23



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Width across filats         SW17           Davice protection   Electrical           Degree of protection (EN IEC 60829)         IP65, IP67           Additional condition protection degree         inserted, screwed           Pollution Begree         3           Rated surge voltage         1,5 kV           Macterial group (IEC 606641)         I           Mechanical data   Material data         Mickled           Material prousing         PUR           Locking material         Zone die-casting           Mechanical data   Mounting data         Mickled           Mechanical data   Mounting data         Mickled (China material across of Chinatic Poperating temperature min.         25 °C           Operating temperature max.         45 °C         Coperating temperature max.         45 °C           Additional condition temperature range         depending on cable quality         Poperating temperature max.         45 °C           Additional condition temperature range         EC 61076 2-111         Poperating temperature max.         45 °C           Cobabic data flow in substation   Cable (Cable	Stripping length (jacket)	100 mm
Degree of protection (EN IEC 60529) PP65, IP67 Additional condition protection degree inserted, screwed Additional condition protection degree is a search and a	Width across flats	SW17
Degree of protection (EN IEC 60529) PP65, IP67 Additional condition protection degree inserted, screwed Additional condition protection degree is a search and a	Device protection   Electrical	
Additional condition protection degree inserted, screwed Pollution Degree 3 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		IP65 IP67
Pollution Degree 3 Railed surgue voltage 1,5 kV  Machanis group (IEC 90064-1) I  Machanis grou	<u> </u>	
Raude sup voltage Material group (IEC 60664-1) I Coating (ocking Material data Material data  Coating locking Nickeled Material gasket FKM Material pasket FKM Material posting PUR Locking material  Conting locking Nickeled Material pasket FKM Material posting Mechanical data   Mounting data Material posting Mechanical data   Mounting data Material posting Mechanical data   Mounting data Material posting temperature in correct special protection  Environmental characteristics   Climatic Operating temperature max.  85 °C Operating temperature max.  85 °C Conformity Product standard IEC 61076 2-111 Installation (Cable Cable indentication PO4 Situation of wire insulation black (white isolation), white (isolation brown), white (isolation black), white (gray isolation datable) Circle Figure Fillian Situating Situat	' '	· · · · · · · · · · · · · · · · · · ·
Material group (EC 60664-1)  Mechanical data (Material data)  Contanty looking  Material packet  FKM  Material packet  FKM  Material powers  Mounting method  Environmental Characterisatis   Climatic  Operating temperature min.  25 ° C  Operating temperature min.  25 ° C  Operating temperature max.  85 ° C  Operating temperature max.  90 ° C  Cable identification  P04  Cable in yea  3  Streading  10 ° C  Streading  10 ° S ° Wires around Filler twisted  Filler  yes  Wire arrangement  yes S vires around Filler twisted  Filler  yes  Wire arrangement  yes S vires around Filler twisted  Filler  yes  Wire arrangement  yes S Noo. @ 25 ° C  Outer-diameter (gacket)  129,8 gm  Material yacket  PUR  Shore hardness jacket  PUR  Firedom from impredients (gacket)  129,8 gm  Material yacket  PUR  Outer-diameter (gacket)  25 ° S  Outer-diameter (gacket)  26 ° S  Outer-diameter (gacket)  27 ° S mm  Outer diameter (gacket)  28 ° C  Outer-diameter (gacket)  29 ° S Shore D  Impredient (sealation black), white (gray isolation hack), white (gray isolation hackout wire insulation  Anount strands (wire)  15 ° S  Material were insulation  Anount strands (wire)  15 ° S  Firenting color of wire insulation  16 ° S S Sinor O  Outer-diameter of single wires  Outer-diameter of single wires  Outer-diameter (gacket)  15 ° S  Outer-diameter (gacket)  15 ° S  Outer-diameter (gacket)  15 ° S  Outer-diameter (gacket)  15		
Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Material passet         FKM           Material housing         PUR           Locking material         Zim de-casting           Mechanical data   Mounting data         Mounting method           Inserted, screwed, Shaking protection         Fervicemental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         -85 °C           Additional condition temperature range         depending on cable quality           Conformity         Forduct standard           Product standard         EC 61076 2-111           Installation   Cable         Cable identification           Cable identification         P04           Cable in Yipe         3           Printing cotor of wire insulation         black (white isolation), white (isolation brown), white (isolation black), white (gray isolation standing)           Filler         yes           Situating         5 wires around Filler twisted           Filler         yes           wire arrangement         gray 5, black 4, blue 3, white 2, brown 1           No. of bending cycles (C-track)         5 Mo. gets 25 °C           Cable weight         129,8 gm		
Material pasket Material poulong PUR Locking material Mounting method Inserted, screwed, Shaking protection  Mounting method Inserted, screwed, Shaking protection  Mounting method Inserted, screwed, Shaking protection  Mounting method  Coperating temperature min. Operating temperature min. Operating temperature max. SS °C Operating temperature max. Operating temperature		
Material pasket Material poulong PUR Locking material Mounting method Inserted, screwed, Shaking protection  Mounting method Inserted, screwed, Shaking protection  Mounting method Inserted, screwed, Shaking protection  Mounting method  Coperating temperature min. Operating temperature min. Operating temperature max. SS °C Operating temperature max. Operating temperature	Coating locking	Nickeled
Material housing PUR Locking material Locking material Locking material Mechanical data   Mounting data  Mounting method inserted, serewed, Shaking protection  Environmental characteristics   Climatic  Deperating temperature min25 °C Operating temperature man25 °C Operating temperature man85 °C Additional condition temperature range depending on cable quality  Conformity  Product standard IEC 61076-2-111  Installation   Cable  Cable identification P04  Cable in yep 3  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation dacker)  Type of Cartificate cluffuc cluffuc cluffuc printing color of wire insulation  Jacker Color  Stranding 5 wires around Filler twisted  Filler yes  wire arrangement gray 5, black 4, blue 3, white 2, brown 1  No. of bending cycles (C-track) 5 Mio. @ 25 °C Outer diameter (jacker) 129,8 g/m  Material wire insulation PP  Amount stranders jacket PUR  Material wire insulation PP  Amount wires  Outer diameter (jacker) 2,3 mm  Colurer diameter (jacker) 2,3 mm  Colurer diameter (jacker) 2,3 mm  Colurer diameter (jacker) 5 (5 Shore A  Shore hardness wire insulation PP  Amount wires  Outer diameter (jacker) 1,5 mm  Shore hardness wire insulation 60 ± 5 Shore A  Shore hardness wire insulation 1 (sad free, cadmium-free, CFC-free, halogen-free, silicone-free  Injuried free insulation 1 (sad free, cadmium-free, CFC-free, halogen-free, silicone-free  Jacker Cordiuster (veries) 34  Jacker Cordiuster (veries) 44  Jacker Cordiuster (veries) 54  Jacker Cordiuster (verie) 54  Jacker Cordiuster (veries) 54		FKM
Locking material Instantiacial All Mounting data  Mounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature min25 °C  Operating temperature map. 85 °C  Additional condition temperature range depending on cable quality  Conformity  Product standard IEC 61076-2-111  Installation   Cable  Cable identification   P04  Gable Type 3  Printing offer of wire insulation   black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation darked Color black)  Type of Certificate cURus  Amount stranding 1  Sirrading 5 wires around Filler twisted  Filler yes  Wire arrangement gray 5, black 4, blue 3, white 2, brown 1  No. of bending cycles (C-track) 5 Min. @ 25 °C  Gable weigh 129,8 gm  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 90 ± 5 Shore A  Freedom from ingredients (jacket) 194  Material jakenet (jacket) 5,2 mm  Outer diameter (jacket) 5,2 mm  Outer diameter (jacket) 1,5 mm  Material wire insulation 1,5 mm  Outer diameter insulation 1,5 mm  Outer diameter tolerance core insulation 1,5 mm  Diameter of single wire insulation 1,5 mm  Diameter of single wire 1,1 mm  Diame		
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.		Zinc die-casting
Mounting method inserted, screwed, Shaking protection    Environmental characteristics   Climatic		•
Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature min25 °C Operating temperature max85 °C Additional condition temperature range depending on cable quality  Conformity  Product standard IEC 61076-2-111 Installation   Cable  Cable Identification   PQ4 Cable Type 3 Printing color of wire insulation   Aback (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation standing the standard of the standar		inserted screwed Shaking protection
Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Conformity  Product standard IEC 61076-2-111  Installation   Cable  Cable identification P04 Cable identification P04 Cable Type 3 Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) and the gray isolation black (white isolation)  Stranding 5 wires around Filler twisted Filler yes wire arrangement gray 5, black 4, blue 3, white 2, brown 1 No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 129,8 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 9 elead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 2,3 mm Tolerance outer diameter (sheath) 2,5 mm Outer diameter insulation PP Amount wires 0 5 Couter diameter insulation 1 5 % Shore hardness wire insulation 1 60 ± 5 Shore D Ingredient freeness wire insulation 1 black (white isolation), white (isolation brown), white (isolation black), white (gray isolation hand) white (isolation brown), white (isolation black), white (gray isolation brown) white (isolation brown), white (isolation black), white (gray isolation hand) white (isolation brown), white (isolation black), white (gray isolation hand) white (isolation brown), white (isolation black), white (gray isolation hand) white (isolation brown), white (isolation black), white (gray isolation hand) white (isolation brown), white (isolation black), white (gray isolation hand) white (isolation brown),		
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Conformity  Froduct standard IEC 61076-2-111  Installation   Cable  Cable identification P04 Cable Type 3 Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation dacket Color black  Type of Certificate cURus  Amount stranding 1 Swires around Filler twisted  Filler yes  Wire arrangement gray 5, black 4, blue 3, white 2, brown 1 No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 129,8 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket   Swires around Filler twisted   Duter-diameter (jacket)   129,8 g/m  Alterial wire insulation   PP  Amount wires   5  Outer diameter (speath)   2.5 %  Material wire insulation   PP  Amount wires   5  Outer diameter folerance core insulation   Ead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter (speath)   2.5 %  Amount wires   5  Outer diameter folerance core insulation   Ead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation   black (white isolation), white (isolation brown), white (isolation black), white (gray isolation harded)   PP  Phinting color of wire insulation   black (white isolation), white (isolation brown), white (isolation black), white (gray isolation harded)   Note of the printing color of wire insulation   Bad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation   Bad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation   Bad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation   Bad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation   Bad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation   Bad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of	· ·	
Additional contition temperature range depending on cable quality  Product standard IEC 61076-2-111  Installation   Cable   Cable identification   P04 Cable identification   Diack   Cabl		
Product standard IEC 61076-2-111  Installation   Cable   Cable Identification   P04   Cable Identification   P04   Cable Identification   P04   Cable Identification   Dlack (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation black)   P04   Cable Type   3   Cable Type   Standard   Cable Type   Catle Type of Cortificate   CIRUS   Cable Type of Certificate   Cirus Type of		
Product standard IEC 61076-2-111  Installation   Cable   Cable identification   P04   Cable identification   P04   Cable identification   Diack   Type   3   Printing color of wire insulation   black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation dacket Color   black   Type of Certificate   cURus   Amount stranding   1   Stranding   5 wires around Filler twisted   Filler   yes   wire arrangement   gray 5, black 4, blue 3, white 2, brown 1   No. of bending cycles (C-track)   5 Mio. @ 25 °C   Cable weight   129,8 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)   8,2 mm   Tolerance outer diameter (sheath)   ± 5 %   Material wire insulation   PP   Amount wires   5   Outer diameter fulcance core insulation   ± 5 %   Shore hardness wire insulation   ead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Ingredient freeness wire insulation   ead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Filler   1	Additional condition temperature range	depending on cable quality
Cable identification P04 Cable identification P04 Cable identification P04 Cable identification P09 3 Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) and its province insulation black) and its province insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) and its province insulation black), white (gray isolation black) and its province insulation black), white (gray isolation black), white (gray isolation black) and its province insulation black), white (gray isolation black), white (gray isolation black), white (gray isolation black) and its province insulation black), white (gray isolation black) and its province insulation black (wire insulation black), white (gray isolation black), white (gray isolation black) and its province insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) and its province insulation black (white isolation), white (isolation black), white (gray isolation black) and its province isolation black) and its province isolation black (white isolation) and its province isolation black (wire) strand clonductor wire insulation (C-track) 5 m @ 25 °C	Conformity	
Cable identification P04  Cable Type 3  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) color black  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Filler twisted  Filler yes  wire arrangement gray 5, black 4, blue 3, white 2, brown 1  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 129,8 g/m  Material packet 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) 8,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation PP  Amount wires 5  Outer diameter insulation 2,3 mm  Outer diameter insulation 10 ± 5 %  Shore hardness wire insulation 10 ± 5 %  Shore bardness wir	Product standard	IEC 61076-2-111
A Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation black Color black Type of Certificate cURus Amount stranding 1  Stranding 5 wires around Filler twisted Filler yes wire arrangement gray 5, black 4, blue 3, white 2, brown 1  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 129,8 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 2,3 mm  Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5  Outer diameter insulation PP Amount wires 5  Outer diameter insulation 2,3 mm  Outer diameter insulation 40 ± 5 % Shore hardness wire insulation 10 ± 5 % Shore hardness wire insulatio	Installation   Cable	
Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black), white (gray isolation black Color black Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement gray 5, black 4, blue 3, white 2, brown 1 No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigth 129,8 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) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Amount wire insulation PP Amount wires 5 Outer diameter insulation 2,3 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black), white (gray isolation Amount wires 1 % Shore hardness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 mm² Material conductor wire 1 Stranded copper wire, bare Conductor type (wire) 5 stranded copper wire, bare Conductor type (wire) 5 stranded copper wire, bare	Cable identification	P04
Jacket Color black Type of Certificate cURus Amount stranding 1 Swires around Filler twisted Filler yes wire arrangement gray 5, black 4, blue 3, white 2, brown 1 No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigth 129,8 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) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 2,3 mm Outer diameter tolerance core insulation black (white isolation), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 84 Diameter of single wires 0,15 mm² Conductor type (wire) 5 mm² 25 °C	Cable Type	3
Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Filler twisted  Filler yes  wire arrangement gray 5, black 4, blue 3, white 2, brown 1  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 129,8 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) 8,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,3 mm  Outer diameter tolerance core insulation bead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 84  Diameter of single wires 0,15 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m@ 25 °C	Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation
Amount stranding 5 wires around Filler twisted Filler yes wire arrangement gray 5, black 4, blue 3, white 2, brown 1 No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigth 129,8 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) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation PP Amount wires 5 Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 84 Diameter of single wires 0,15 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C	Jacket Color	black
Stranding 5 wires around Filler twisted  Filler yes wire arrangement gray 5, black 4, blue 3, white 2, brown 1  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 129,8 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) 8,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,3 mm  Outer diameter insulation 2,3 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 84  Diameter of single wires 0,15 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C	Type of Certificate	cURus
wire arrangement gray 5, black 4, blue 3, white 2, brown 1  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 129,8 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) 8,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,3 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation (ead-free, cadmium-free, CFC-free, halogen-free, silicone-free)  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 84  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 1,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C	Amount stranding	1
wire arrangement gray 5, black 4, blue 3, white 2, brown 1  No. of bending cycles (C-track) 5 Mio. @ 25 °C  Cable weigth 129,8 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) 8,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,3 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 84  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 1,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m@ 25 °C	Stranding	5 wires around Filler twisted
No. of bending cycles (C-track)  5 Mio. @ 25 °C  Cable weigth  129,8 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)  8,2 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  Quer diameter tolerance core insulation  Shore hardness wire insulation  Bead-free, cadmium-free, CFC-free, halogen-free, silicone-free  60 ± 5 Shore D  Ingredient freeness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  84  Diameter of single wires  0,15 mm  Onductor crosssection (wire)  1,5 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Traversing distance (C-track)  5 m@ 25 °C	Filler	yes
Cable weigth     129,8 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)     8,2 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     2,3 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire)       Amount strands (wire)     84       Diameter of single wires     0,15 mm       Conductor crosssection (wire)     1,5 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C	wire arrangement	- ·
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) 8.2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,3 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 84  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 1,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C	No. of bending cycles (C-track)	5 Mio. @ 25 °C
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 8,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,3 mm  Outer diameter rolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 84  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 1,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C	Cable weigth	129,8 g/m
Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  2,3 mm  Outer diameter tolerance core insulation  \$\pmathcal{\pmathcal	Material jacket	PUR
Outer-diameter (jacket) 8,2 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5 Outer diameter insulation 2,3 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 84  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 1,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C	Shore hardness jacket	
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,3 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation amount strands (wire) 84  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 1,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,3 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 84  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 1,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C	Outer-diameter (jacket)	8,2 mm
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Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) white (isolation brown), white (isolation black), white (gray isolation black) white (isolation brown), white (isolation black), white (gray isolation black) white (isolation brown), white (isolation black), white (gray isolation black) white (gray isolation black) white (isolation brown), white (isolation black), white (gray isolation black)	Outer diameter insulation	· · · · · · · · · · · · · · · · · · ·
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) and the printing black (white isolation), white (isolation brown), white (isolation black), white (gray isolation black) and the printing black (white isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) and the printing black (white isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) and the printing black (white isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) and the printing black (white isolation blue), white (isolation brown), white (isolation black), white (gray isolation black) and the printing black (white isolation blue), white (isolation brown), white (isolation black) white (gray isolation black) and the printing black (white isolation blue), white (isolation brown), white (isola	Outer diameter tolerance core insulation	
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Amount strands (wire) 84  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 1,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C		<del>-</del>
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Traversing distance (C-track) 5 m @ 25 °C		
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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: 2024-04-23



Current load capacity min. wire	13,5 A
Electrical resistance line constant wire	13,3 Ω/km @ 20 °C
Nominal voltage power AC max.	1000 V
Power frequency withstand voltage power (wire - jacket)	10 kV @ 60 s
AC withstand voltage power (wire - wire)	10 kV @ 60 s
Min. operating temperature (static)	-50 °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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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)	7,5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m