

## M12 male 90° / M8 female 90° A-cod.

PUR 3x0.25 bk UL/CSA+drag ch. 0.3m

Male 90° - female 90°

M12 - M8, 3-pole

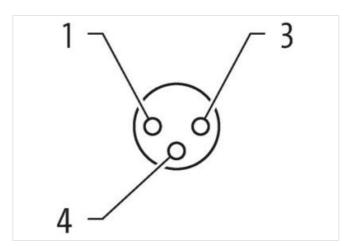
Plastic housings with good resistance against chemicals and oils.

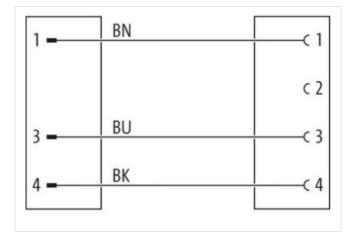
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

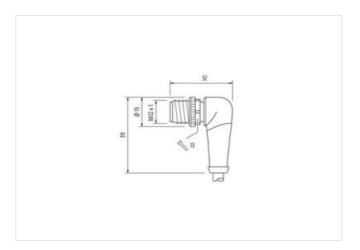
## **Link to Product**

## Illustration



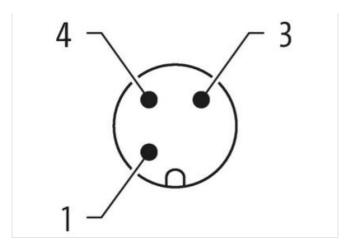


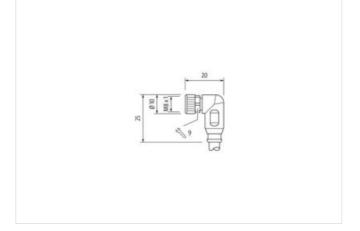






stay connected





Product may differ from Image











Cable length	0,3 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879158176
Packaging unit	1
Electrical data   Supply	



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Current operating per contect max.         4 A           Device projection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Mechanical distal   Material datal         ***Contains of clining in material           Conting locking         Nickeled           Conting of locking         Inkeled and provision of the material of the material street womencition           Mechanical data   Mounting data         ***Conting problems of the material street womencities           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         ***Conting temperature min.           Operating temperature max.         85 °C           Additional condition temperature range         65 °C           Operating temperature max.         85 °C           Additional condition temperature range         4 benefits of the connectors by suitable measures from mechanical loads. e.g. by the usage of cable lies.           Note on bending radius         Attention: Conserve the permissible bending radii when taying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         **Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 81076-2-114 (M8)           In	Operating voltage AC max.	50 V
Operating per contact max.         4 A           Device protection [Electrical]         4 A           Additional condition protection degree         incefled, screwed           Pollution Degree         1.5 kV           Additional group (IEC 50094-1)         1 Per control protection (IEC 50094-1)           Coasing Inciding         Nicklated           Coasing Inciding         Nicklated           Coasing Inciding         nicklated and Immediated (IEC 50094-1)           Coasing Inciding         nicklated           Coasing Inciding         nicklated           Coasing of Inting         nicklated           Coasing of Inting         nicklated           Mountain greated         Zinc de-casting           Muterial sorw commodion         Zinc de-casting           Muterial greated and Immediated (IEC 50094-1)         Immediate (IEC 50094-1)           Environmental characteristics (Climater         Department of the commodiate (IEC 50094-1)           Environmental characteristics (Climater         85°C           Operating temperature may         45°C	Operating voltage DC max.	60 V
Operating per contact max.         4 A           Device protection [Electrical]         4 A           Additional condition protection degree         incefled, screwed           Pollution Degree         1.5 kV           Additional group (IEC 50094-1)         1 Per control protection (IEC 50094-1)           Coasing Inciding         Nicklated           Coasing Inciding         Nicklated           Coasing Inciding         nicklated and Immediated (IEC 50094-1)           Coasing Inciding         nicklated           Coasing Inciding         nicklated           Coasing of Inting         nicklated           Coasing of Inting         nicklated           Mountain greated         Zinc de-casting           Muterial sorw commodion         Zinc de-casting           Muterial greated and Immediated (IEC 50094-1)         Immediate (IEC 50094-1)           Environmental characteristics (Climater         Department of the commodiate (IEC 50094-1)           Environmental characteristics (Climater         85°C           Operating temperature may         45°C	Operating voltage AC (UL-listed)	30 V
Device protection   Electrical         Additional protection degree         1 inserted, screwed           Pallusion Degree         3           Rated surge voltage         1,5 kV           Material group (EC 90064-1)         1           Michanizal folial Methal data         Webball of Methal Methal data           Coating footing         Nickeled           Coating of filting         nickeled           Coating of filting         2me die casting           Material grow connoction         2me de casting           Material grow data grow connoction         2me de casting           Material grow data grow connoction         25 °C           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional temperature max.         85 °C           Note on strain relef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Operating voltage DC (UL-listed)	30 V
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Alatidad surge voltage         1,5 NV           Metherial group (IEC 60864-1)         1           Mechanical data (Material data)         Nickeled           Coating of fitting         nickel plated           Locking material         2m die casting           Mechanical data (Muturial data)         3m feetel, screwel, Shaking protection           Environmental characteristics (Climatic Provious Company)         45 °C           Operating temperature max.         85 °C           Additional condition temperature range (Environmental translation temperature range)         deporting nuturial properature max.           Note on bending radius         Attention: Cleareve the permissible bending radii when laying cables, as the IP protection cleas can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Salazian (Marcial Publica)         Attention: Cleareve the permissible bending radii when laying cables, as the IP protection cleas can be endangered by excessive bending forces. <td>Current operating per contact max.</td> <td>4 A</td>	Current operating per contact max.	4 A
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Alatidad surge voltage         1,5 NV           Metherial group (IEC 60864-1)         1           Mechanical data (Material data)         Nickeled           Coating of fitting         nickel plated           Locking material         2m die casting           Mechanical data (Muturial data)         3m feetel, screwel, Shaking protection           Environmental characteristics (Climatic Provious Company)         45 °C           Operating temperature max.         85 °C           Additional condition temperature range (Environmental translation temperature range)         deporting nuturial properature max.           Note on bending radius         Attention: Cleareve the permissible bending radii when laying cables, as the IP protection cleas can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Salazian (Marcial Publica)         Attention: Cleareve the permissible bending radii when laying cables, as the IP protection cleas can be endangered by excessive bending forces. <td>Device protection   Electrical</td> <td></td>	Device protection   Electrical	
Failed surge voltage 1, 5 kV Marterial group [EG 69664-1)   Macharial group [EG 69664-1)   Macharial group [EG 69664-1]   Macharial screw connection   Macharial group material   Zinc die-casting   Material screw connection   Zinc die-casting   Macharial screw connection   Macharia screw c		inserted screwed
Rated surge voltage   1,5 kV   Meteral group (EC 60664-1)   1  Coating locking   Nickeled   Coating locking   Nickeled   Coating of litting   Coating   Coating of litting   Coating   Coating of litting   Coating   Meteral screw connection   Zinc die-casting   Meteral characteristics   Climatic   Coperating temperature min.   25 °C   Coperating temperature max.   25 °C   Additional condition temperature range   depending on cable quality   Important Installation notes   Note on sarian relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable biss.   Note on barding 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 81076-2-114 (M8)   Installation   Cable   Cable identification   630   Cable Type   3   3   3   3   3   3   3   3   3   3	<u> </u>	
Material group (EC 60864.1)  Mechanical data   Material data  Coating looking   Nickeled   Coating looking   nickel plated   Coating looking looking looking   Coating looking l		
Mechanical data   Material data         Nickeled           Coating of Ritting         nickel plated           Locking material         Zinc die-ceating           Material screw connection         Zinc die-ceating           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Involved in a similar plate on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Attention: Conserve the permissible bending radii when laying cables, as the IP protection class can be ordanged by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable intention         630           Cable intention         630           Cable intention         630           Cable intention         530           Cable intention         540           Stranding         1           Stranding         1           Muterial incet		<u> </u>
Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Environmental characteristics   Climatic         ST *C           Operating temperature min.         25 *C           Operating temperature max.         85 *C           Operating temperature max.         85 *C           Additional condition temperature max.         85 *C           Note on bending from statilation notes         Attentions: Observe the permissible bending radii when laying cables, as the IP protection class can be contangued by accessive bending forces.           Conformity         Attentions: Observe the permissible bending radii when laying cables, as the IP protection class can be contangued by accessive bending forces.           Conformity         Toda of standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Signature of cable identification         630           Cable identification         630         Augustial contangued (M12)	,	•
Coating of fitting         nickel plated           Locking material         Zinc de-casting           Material screw connection         Zinc de-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Compariting temperature min.         25 °C           Operating temperature max         85 °C         Additional condition temperature range depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties.           Note on sharin 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 enrichaged by secessive bending forces.           Conformity         Product standard         BNE N 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Gable         G80         Gasting and when laying cables, as the IP protection class can be enrichaged by secessive bending forces.           Cable identification   Gable         G80         Gasting and when laying cables, as the IP protection class can be enrichaged by secessive bending forces.           Cable installation   Gable         Gasting and protection of protection of protection of protection of protection of protection of protection	·	
Locking material         Zinc die casting           Material screw connection         Zinc die casting           Mechanicol data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.           Note on briding 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 61076-2-114 (M8)           Installation   Cable         Cable identification         630           Cable identification         630         Cable identification           Cable identification         630         Cable identification           Cable identification         1         1           Stranding         1         1           Stranding         1         1           Stranding         3 wires twisted           wire arrangement         brown, black, bue           Cable w		1 1 1 1
Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Very protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Very protect standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Secondary of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Very Conformity           Product standard         Bio 1076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Secondary of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Cable (Type)         Call (Type)         Call (Type)		·
Mechanical data   Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climate  Operating temperature min. 25°C  Operating temperature min. 25°C  Additional condition temperature range depending on cable quality  Inportant 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 barding 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 61076-2-114 (M8)  Installation   Cable  Cable identification 630  Cable Type 3  Jacked Color black  Type of Certificate cURus  Amount stranding 1  Stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigh 26,4 g/m  Material jacket PUR  Atterial jacket 904.5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 1,25 mm  Material wire insulation 1,25 mm  Outer diameter insulation 1,25 mm  Diameter of single wires 0,1 mm  Material conductor errorses wire insulation 1,25 mm  Outer diameter of single wires 0,1 mm  Canductor crosses wire insulation 0,1 mm  Conductor crosses wire insulation 0,25 mm²  Material conductor wire 0,55 mm²		
Mounting method inserted, screwed, Shaking protection    Poperating temperature min.   -25 °C		Zinc die-casting
Environmental characteristics   Climatic Operating temperature min.	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         Total time connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           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         Froduct standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation (Cable         Cable federification         630           Cable identification         630         630           Cable dentification         630         630           Cable of Certificate         CURUS         CuRUS           Amount stranding         1         1           Stranding         3 wires twisted         40           wire arrangement         brown, black, blue           Cable weight         26.4 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         1.4 mm	Mounting method	inserted, screwed, Shaking protection
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 forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 630  Cable Type 3  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weight 26,4 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore dameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Material wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Jouer diameter (blacker) 22.5 mm  Outer diameter (blarence ore insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount wire of single wires 0,25 mm²  Amount wire of single wires 0,1 mm  Conformity Stranding (wire) 32  Diameter of single wires 0,1 mm  Material vire rosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare	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 bending 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 61076-2-114 (M8)           Installation [ Cable         Cable identification         630           Cable identification         630         Cable (March 1992)           Cable (Loor)         black         Cable (March 1992)           Amount stranding         1         Stranding         3 wires twisted           Wrie arrangement         brown, black, blue         Discussion         Discussion           Cable weigh         26.4 g/m         Material jacket         PUR           Shore hardness jacket         PUR         PUR           Material wire insulation         4,1 mm         Tolerance outer diameter (jacket)         4,1 mm           Tolerance outer diameter (jacket)         4,5 mm         Material wire insulation         7.25 mm           Outer diameter (seath)         2.5 % </td <td>Operating temperature min.</td> <td>-25 °C</td>	Operating temperature min.	-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 61076-2-114 (M8)  Installation   Cable  Cable identification 630  Cable type 3  Jacket Color black  Type of Certificate cluring a swine stream of the control of the		85 °C
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable dentification         630           Cable Type         3           Jacket Color         black           Type of Certificate         cURIus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26.4 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		
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.  Product standard DIN En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 630  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weight 26,4 g/m  Attential soket 9UR  Shore hardness jacket 90±5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount wires 3  Outer diameter (sheath) ±5 %  Shore hardness wire insulation 1,25 mm  Outer diameter tolerance core insulation 1,25 mm  Canductor rowssection (wire) 32  Diameter of single wires 0,1 mm  Canductor crosssection (wire) 0,25 mm²  Material conductor wire, bare  Stranded copper wire, bare	, , , , , , , , , , , , , , , , , , ,	
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard  Installation   Cable  Cable identification  630  Cable Type  3  Jacket Color  black  Type of Certificate  cuPkus  Amount stranding  1  Stranding  3 wires twisted  wire arrangement  Cable weight  26.4 g/m  Material jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  Material wire insulation  PP  Amount wires  3  Outer diameter (sheath)  \$1 + 5 %  Shore hardness wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  10 + 12 Shore  Amount strands (wire)  32  Cable weigh  Accepted a single wires  32  Cuter diameter of single wires  32  Cuter diameter insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  Amount strands (wire)  32  Conductor consessection (wire)  0,25 mm²  Material conductor wire  Material conductor wire  Stranded copper wire, bare  Material conductor wire  Stranded copper wire, bare		District the connectors by suitable messages from mechanical leads of a by the upage of cable time
Contentity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable Identification         630           Cable Identification         630           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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-claimeter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer claimeter insulation         1,25 mm           Outer diameter tolerance core insulation         5 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D           Diameter of single wires	Note on strain relier	
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         630           Cable Type         3           Jacket Color         black           Type of Certificate         CURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         2 ± 5 Shore D           Ingredient freeness wire insulation         2 ± 5 Shore D           Ingredient freeness wire insulation         2 ± 5 Shore D           Diameter of single wires         0,1 mm           Conductor crosssec	Note on bending radius	
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         630           Cable Type         3           Jacket Color         black           Type of Certificate         CURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         2 ± 5 Shore D           Ingredient freeness wire insulation         2 ± 5 Shore D           Ingredient freeness wire insulation         2 ± 5 Shore D           Diameter of single wires         0,1 mm           Conductor crosssec	Conformity	
Cable identification         630           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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         70 ± 5 Shore D           Ingredient freeness wire insulation         9 and free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0,25 mm² <td></td> <td>DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)</td>		DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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 swire insulation         7 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         12 def-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare	Installation   Cable	
Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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 swire insulation         7 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         12 def-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare	Cable identification	630
Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare		
Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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         ± 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)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare		black
Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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         ± 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)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare		
Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare		1
wire arrangement brown, black, blue  Cable weigth 26,4 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) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare		3 wires twisted
Cable weigth  26,4 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  Ingredient freeness wire insulation  Amount strands (wire)  32  Diameter of single wires  0,1 mm  Conductor crosssection (wire)  0,25 mm²  Material conductor wire  Stranded copper wire, bare		
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bare	<u> </u>	· · ·
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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) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare		
Outer-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bare	·	
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) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare	Outer-diameter (jacket)	·
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)       32         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,25 mm²         Material conductor wire       Stranded copper wire, bare		· · · · · · · · · · · · · · · · · · ·
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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) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare		
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) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare	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) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare		
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Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare	Outer diameter insulation Outer diameter tolerance core insulation	1,25 mm ± 5 %
Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare	Outer diameter insulation Outer diameter tolerance core insulation	1,25 mm ± 5 % 70 ± 5 Shore D
Material conductor wire Stranded copper wire, bare	Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation	1,25 mm ± 5 %  70 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation	1,25 mm ± 5 %  70 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 32
Conductor type (wire) strand class 6	Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires	1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 32 0,1 mm
	Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire) Diameter of single wires Conductor crosssection (wire)	1,25 mm  ± 5 %  70 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  32  0,1 mm  0,25 mm²

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: 2024-05-16



Traversing distance (C-track)	10 m @ 25 °C   horizontal
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	79 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   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)	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