

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

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

Male 90° - female 90°

M12 - M8, 3-pole

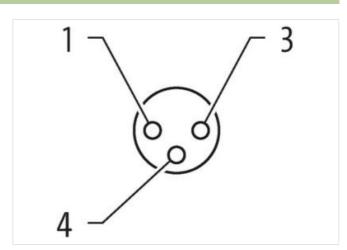
Plastic housings with good resistance against chemicals and oils.

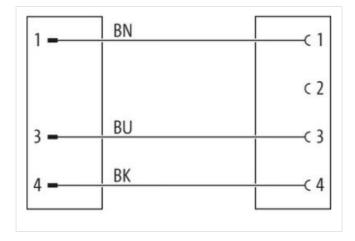
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

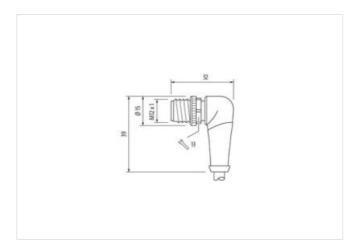
## **Link to Product**

## Illustration



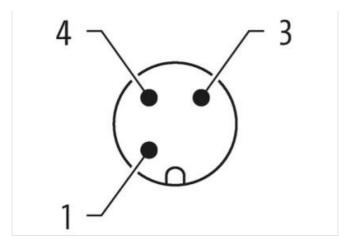








## stay connected





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	4048879158374
Packaging unit	1
Electrical data   Supply	

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



stay connected

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         nickel plated           Locking material         Zinc disc-asting           Mechanical data   Mounting data         ***Contains of filting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         ***Contains of filting method           Environmental characteristics   Climatic         ***Contains of filting membrature max.           Additional condition temperature max.         85 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         ***Attention:**Conserve the permissible bending radii when taying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         ***Device the connectors by suitable measures from mechanical leads. e.g. by the usage of cable lines.           Note on bending radius         Attention:**Cosserve the permissible bending radii when taying cables, as the IP protection	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 Improvement (IEC 50094-1)           Coasing of Inting         nicklated           Coasing of Inting         nicklated           Coasing of Inting         nicklated           Moutant (IEC 50094-1)         Zinc de-casting           Muterial sorw commodion         Zinc de-casting           Muterial sorw commodion         Zinc de-casting           Muterial sorw commodion         Since Casting           Muterial sorw commodion         Since Casting           Muterial sorw commodion         25 ° C           Commodition of Casting Interpretative range         depending on cable quality           Important installation notes         Protect the commodions by suitable measures from mechanical loads, e.g. by the usage of cable tess.           Note on bernding radius         Protect the commodions by suitable measures from mechanical loads, e.g. by the usage of cable tess.           Co	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 Improvement (IEC 50094-1)           Coasing of Inting         nicklated           Coasing of Inting         nicklated           Coasing of Inting         nicklated           Moutant (IEC 50094-1)         Zinc de-casting           Muterial sorw commodion         Zinc de-casting           Muterial sorw commodion         Zinc de-casting           Muterial sorw commodion         Since Casting           Muterial sorw commodion         Since Casting           Muterial sorw commodion         25 ° C           Commodition of Casting Interpretative range         depending on cable quality           Important installation notes         Protect the commodions by suitable measures from mechanical loads, e.g. by the usage of cable tess.           Note on bernding radius         Protect the commodions by suitable measures from mechanical loads, e.g. by the usage of cable tess.           Co	Operating voltage AC (UL-listed)	30 V
Device protection   Electrical           Additional protection degree         3           Patibusion Degree         3           Rated surge voltage         1,5 kV           Material group (EC 90064-1)         1           McChanical data, Material data         Wed-Chanical data, Material data           McChanig flooking         Néckeled           Coating of filting         nickle pated           Locking material         Zinc die casting           Material grow connoction         Zinc die casting           Machanical data   Munting data         Tinc die casting           Machanical data   Munting data         Zinc die casting           Mechanical data   Munting data         Zinc die casting           Mounting method         inserted, screwed, Shaking protection           Environmental Characteristics   Climatic         Climatic           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition 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.           Note on strain relef         Protect the connectors by suitable measures from mechanical loads, e.g. by the us	Operating voltage DC (UL-listed)	30 V
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Alatidad surge voltage         1,5 NV           Mechanical data (Mindral data)         1           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         2m die-casting           Mechanical data (Munting data)         2m die-casting           Mechanical data (Munting data)         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental theracteristics   Climatic         Commander (Ministry Commander)           Operating temperature max.         85 °C           Operating temperature max.         85 °C           Actional condition temperature range         depending on cashe quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tess.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Saladaction   Cable (Maxima)         Saladaction   Cable (Ma	Current operating per contact max.	4 A
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Alatidad surge voltage         1,5 NV           Mechanical data (Mindral data)         1           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         2m die-casting           Mechanical data (Munting data)         2m die-casting           Mechanical data (Munting data)         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental theracteristics   Climatic         Commander (Ministry Commander)           Operating temperature max.         85 °C           Operating temperature max.         85 °C           Actional condition temperature range         depending on cashe quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tess.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Saladaction   Cable (Maxima)         Saladaction   Cable (Ma	Device protection   Electrical	
Failed surge voltage 1, 5 kV Marterial group [EG 66664-1)   Machanical data   Material data Coating loftling   Nickel plated Coating loftling   Nickel plated Locking material   Zinc dis-easting   Material group from the parterial   Zinc dis-easting   Material screw connection   Zinc dis-easting   Material		inserted screwed
Rate along you you know (along)         1,5 kV           Material group (EC 8066+1)         I           Mechanical data (Material data)         Misceled           Coating locking         Nickeled           Coating of filting         nickel plated           Locking marterial         Zinc de-casting           Methanical data (Mounting data)         Methanical data (Mounting data)           Murning method         Inserted, sorewed, Shaking protection           Environmental characteristics (Climatic         Coperating temperature max         25 °C           Apportung temperature max         25 °C           Apportung temperature max         25 °C           Apportung institution notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable dises.           Note on bending radius         Aftention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contenting         Aftention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Colorism to a standard         Din En 61076 2-101 (M12), DIN En 61076 2-114 (M8)           Institution (Cable         Cable identification (Cable (C		<u>:</u>
Material group (EC 60864.1)  Mechanical data   Material data  Coating looking   Nickeled   Coating looking   nickel plated   Coating looking looking   Coating looking l		
Mechanical data   Material data         Nickeled           Coating of Riting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           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 relear         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 identification         230           Cable Type         3           Jacket Color         gray           Type of Certificate         CURus           Annount stranding         1           Stranding         3 vires twisted           were arrangement         brown, black, blue		<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           Additional condition temperature may.         85 °C           Important installation notes         Attentions of particular products and particular product standard         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities.           Installation   Cable         Attentions: Observe the permissible bending and when laying cables, as the IP protection class can be contained products and dark particular products and dark particular products and dark products and particular products and dark particular products and dark particular products and partic	,	•
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 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 enrichaged by secessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Secondary of the standard of the protection class can be enrichaged by secessive bending forces.           Cable identification   Cable         230           Cable identification   Cable         230           Cable identification   Cable         Cable identification   Cable           Use of Certificate   Color         Gray of Certificate   Color   Cable   Cable   Cable   Cable	·	
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         230           Cable identification         3           Stranding         1           Stranding         3           Will a stranding         1           Stranding         28.4 ym		2 2 2
Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climate           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 fies.           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.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         3           Installation   Cable         3           Cable (Installation of Cable and Properties)         3           Standing         3           Jacket (Color gray         3           Type of Cardinate         CUPus           Amount stranding         1           Stranding         3 wives twisted           Wives arrangement         5		·
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 230  Cable Type 3  Jacked Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 1  Stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigh 26,4 g/m  Material jacket PUR  Atterial jacket 9  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Jouler-diameter (jacket) 25 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Diameter of single wires 0,1 mm  Material conductor wire 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         230         Cable forces.           Cable identification         230         Cable forces.           Cable dentification         230         Cable forces.           Agrangement         CuRus         Cable Color           Type of Certificate         CuRus         Current Cable Color           Amount stranding         1         Stranding         3 wires twisted           wire arrangement         brown, black, blue         Cable weight         26.4 g/m           Material jacket         PUR         Store A         Freedom from ingredients (jacket)         14.1 mm           Colure-diamete	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 230  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigh 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  Material strandis wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Material wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Material wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Material wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Material wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  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         230           Cable identification         230         Cable Image: Cable identification         230           Cable Type         3         3         Cable Image: Cable identification         Cubral image: Cable identification         Cubral identification	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 230  Jacket Color gray  Jacket Color gray  Type of Certificate clustranding 1  Stranding 3 wires twisted  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) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacken) £ 5 M  Atterial wire insulation PP  Amount wires 3  Outer diameter insulation PP  Amount wires 3  Outer diameter insulation PP  Amount wires 3  Outer diameter insulation 1.25 mm  Outer diameter insulation 1.25 mm  Duter diameter ins		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         230           Cable Type         3           Jacket Color         gray           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 230  Cable Type 3  Jacket Color gray  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  230  Cable Type  3  Jacket Color  gray  Type of Certificate  cuPkus  Amount stranding  1  Stranding  3 wires twisted  wire arrangement  Drown, black, blue  Cable weight  26.4 g/m  Material jacket  PUR  Shore hardness jacket  1 ead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount wires  3 cuter diameter (sheath)  4.5 %  Shore hardness wire insulation  PP  Amount wires  3 cuter diameter releatance core insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  1,25 mm²  Conductor cosssection (wire)  3,25 mm²  Material conductor wire  Stranded copper wire, bare  Material conductor wire  Stranded copper wire, bare  Material conductor wire  Stranded copper wire, bare		District the connectors by suitable managers from machanical lands, a growth a gazage of cable ties
Contentity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable Identification         230           Cable Identification         3           Jacket Color         gray           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         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 (sheath)         ± 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         0,1 mm	Note on strain relier	<del>-</del> <del>-</del> -
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         230           Cable Type         3           Jacket Color         gray           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         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         25 Shore D           Ingredient freeness wire insulation         2 Shore D           Ingredient freeness wire insulation         2 Shore D           Ingredient fr	Note on bending radius	
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         230           Cable Type         3           Jacket Color         gray           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         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         25 Shore D           Ingredient freeness wire insulation         2 Shore D           Ingredient freeness wire insulation         2 Shore D           Ingredient fr	Conformity	
Cable identification         230           Cable Type         3           Jacket Color         gray           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         1,25 mm           Onductor of single wires         0,1 mm           Conductor virie         0,25 mm²           Diameter of single wires         0,1 mm           Conductor wire         Stranded		DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type         3           Jacket Color         gray           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 insulation         7 ± 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)         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         gray           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 insulation         7 ± 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)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare	Cable identification	230
Jacket Color         gray           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		grav
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		
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>	· · · · ·
Shore 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		<del>-</del>
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		· · · · · · · · · · · · · · · · · · ·
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 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
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 insulation	1,25 mm
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 tolerance core insulation	±5%
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	
Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare		
Material conductor wire Stranded copper wire, bare	Amount strands (wire)	
	Amount strands (wire)  Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6	Diameter of single wires	
	Diameter of single wires Conductor crosssection (wire)	0,25 mm <sup>2</sup>

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
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   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