

## M12 male 0° / M8 female 90° A-cod.

PUR 4x0.25 bk UL/CSA+drag ch. 1.3m

Male straight - female 90°

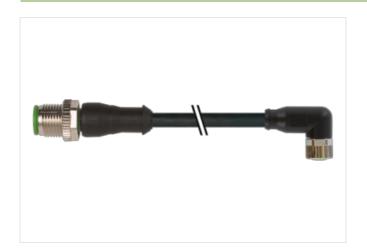
M12 - M8, 4-pole

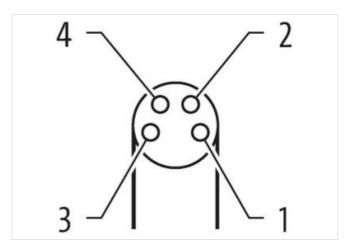
Plastic housings with good resistance against chemicals and oils.

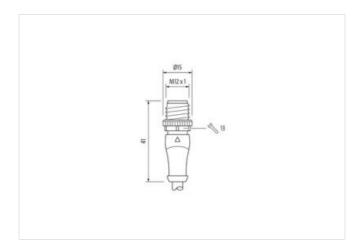
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## **Link to Product**

## Illustration



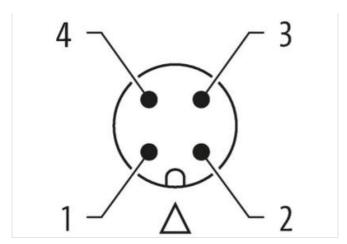


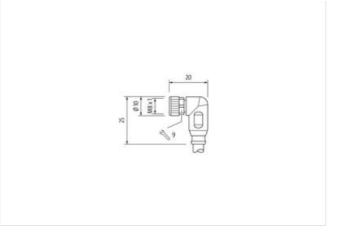






stay connected

















Cable length	1,3 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
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW13
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
Cable outlet	angled
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW9
Commercial data	
ECLASS-6.0	27061801
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
customs tariff number	85444290
GTIN	4048879864947
Packaging unit	1
Electrical data   Supply	



stay connected

Coperating voltage PC mix.   60 V	Operating voltage AC max.	50 V	
Operating voltage AC (UL island)         30 V           Current operating voltage DC (UL island)         30 V           Device protection (ENEC 6002)         4 A           Device protection (ENEC 6002)         IPOS, IPO7, IPO8K           Additional condition protection degree         insented, screwed           Pollution Dugroe         3           Rated surge voltage         1,5 kV           Material growing (EC 80884-1)         1           Mechanical data   Material data         INC. Application of the pland of Country of Rising           Control rectaining         No. Application of Rising           Color rectaining         No. Application of Country of Rising           Malerial screw connection         Zinc do casing           Mechanical data   Mounting data         No. Application of Country           Mechanical data   Mounting data         Insented, Apreced, Shaking protection           Environmental characteristics   Climatic         Concerning proporature ins.           Concerning proporature ins.         25 °C           Concerning proporature ins.         25 °C           Continuity         Service of Country           Product standard         DN EN 61076-2-101 (M12, DIN EN 61076-2-114 (M8)           Installation   Cabic         Application   Cabic			
Operating variety bDC, LIL-steeled         30 V           Device procession [Exercisa]         4 A           Degree of protection [EN IES 60529)         IPSS, IPSS, IPSG, IP			
Device protection   Electrical			
Degree of protection   EN IEC 000290   IP65, IP67, IP66K   Additional condition protection degree   Inserted, screwed   Inserted   Inserted, screwed   Inserted, scr			
Degree of princetion (EN IEC 60529)         IP65, IP67, IP66K           Additional condition protection degree         inserted, screwed           Pibliution Degree         3           Raled surgoy voltage         1,5 kV           Macterial group (IEC 60664-1)         I           Mechanical data (Material data)         Mickeled           Coating boking         Nickeled           Coating boking         Nickeled           Color contact carrier         green           Color contact carrier         2 inc die casting           Macterial screw connection         2 inc die casting           Macterial date (Material date)         4 inc die casting           Macterial date (Material date)         4 85 °C           Operating temperature max.         28 °C         2 °C           Additional condition temperature range         85 °C         3 °C           Casting in strain date (an interial d		4 A	
Additional condition protection degree   inserted, screwed   Pollution Degree   3   Ratiol surge voltage   1,5 k/V   Raterial group (IEC 60664-1)   1   Rechanical data   Material data   Rechanical data   Material data   Coating locking   Nickeled   Coating of fitting   rickel plated   Coating of fitting   rickel plated   Coating raterial   Zim die casting   Color contact carrier   green   Locking material   Zim die casting   Rechanical data   Mounting data   Material screw connection   Zim die casting   Rechanical data   Mounting data   Mounting method   inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Operating temperature min.   -25 °C   Operating temperature min.   -25 °C   Operating temperature mac.   85 °C   Additional condition temperature range   depending on cable quality   Conformity   Product standard   DIN EN 61076-2-101 (M12), DIN EN 51076-2-114 (M8)   Installation   Cable   Cable (dentification   631   Cable Type   3   Jackert Color   black   Type of Certificate   CURus   Annount stranding   1   Stranding   4 kines twisted   wire surrangement   brown, black, blue, write   wire surrangement   brown, black, blue, write   No or I bonding sycles (C track)   10 Mo. (@ 25 °C   Cable weigh   33 grm   Material jackest   PUR   Tolerance outer diameter (sheath)   5 %   Material wire insulation   2.5 °m   Outer diameter (special)   4.5 °m   Tolerance outer diameter (sheath)   5 %   Material wire insulation   70 + 5 Shore D   Ingrodent freeness were insulation   77 + 5 Shore D   Ingrodent freeness were insulation   2.55 °m   Shore hardness were insulation   2.55 °m	Device protection   Electrical		
Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (EC 60684-1)         I           Mechanical data   Material data         Coaling of litting           Coaling of litting         nickel plated           Color contact carrier         green           Locking material         Zim die casting           Material scow connection         Zim die casting           Material product stand data   Mounting method         insertad, screwed, Shaking protection           Environmental characteristics   Climatic         Connection           Operating temperature max.         25 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard           Din En 61076 2-101 (M12), DIN En 61076 2-114 (M8)           Installation   Cable         Cable identification           Cable identification         631 <tr< td=""><td>Degree of protection (EN IEC 60529)</td><td>IP65, IP67, IP66K</td></tr<>	Degree of protection (EN IEC 60529)	IP65, IP67, IP66K	
Rater sizing voltage         1,5 kV           Material group (EC 6066+1)         I           Coating looking         Nickeled           Chairing looking         Nickeled           Coating looking         black           Color contact carrier         green           Looking material         Zin de-easting           Material screw connection         Zins de easting           Mechanical datal [Mounting data         Mechanical datal [Mounting data]           Meunting method         inserted, screwed, Shaking protection           Environmental characteristics [Climatic         Coperating temperature min.           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard           Product standard         S1           Cable identification         631           Cable identification         631           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Type of Certificate         cURus           Amount stranding         4 wires twisted <td>Additional condition protection degree</td> <td>inserted, screwed</td>	Additional condition protection degree	inserted, screwed	
Metarial group (IEC 60664-1)         I           Mechanical datal Material data         Nickeled           Ceating of filting         nickel plated           Color contact carrier         green           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical datal Mounting data         Mechanical datal Mounting data           Mechanical datal Mounting data         Mechanical screw connection           Environmental Characteristics [Climatic         For C           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification           Cable identification         631           Cable identification         631           Cable identification         631           Standing         1           Frequency of Certricate         cURus           Amount stranding         1           Stranding         4 wires twisted           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weight	Pollution Degree	3	
Mechanical data   Material data         Nickeled           Coating of Riting         nickel plated           Color contact carrier         groen           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Incerted, screwed, Shaking protection           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard           Installation   Cable         Since Standard           Installation   Cable         Since Standard           Cable identification         631           Cable identification   Cable         Since Standard           Installation   Cable         UBUS           Anount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bunding cycles (C-track)         10 Min. @ 25 °C           Cable weight         33 grm           Material size outer diameter (picket)         4,5 mm <t< td=""><td></td><td>1,5 kV</td></t<>		1,5 kV	
Coaling locking Nickeled Coaling of fitting nickel plated Coaling of fitting nickel plated Color housing Batch Color contact carrier green Locking material Zinco die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics   Climatic Coperating temperature min.	Material group (IEC 60664-1)	I	
Coating of fitting         nickel plated           Color contact carrier         black           Color contact carrier         green           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data [Mounting data         Mechanical data [Mounting data           Environmental characteristics [Climatic         Control           Environmental characteristics [Climatic         Control           Operating temperature min.         -25 °C           Operating temperature many.         85 °C           Additional condition temperature range         depending on cable quality           Continty         Virolate standard         DIN En 61076-2-101 (M12), DIN En 61076-2-114 (M8)           Installation [Cable         Signal (Ministry)	Mechanical data   Material data		
Color nousing         black           Color contact carrier         green           Coding matorial         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data [Mounting date         Mechanical data [Mounting date           Environmental characteristics [Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Additional condition temperature range         95 °C           Conformity         Veroluce standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation [Cable           Cable indentification         631           Cable indentification         631           Cable indentification         631           Cable indentification [Cable           Cable indentification [Cable           Cable indentification [Cable Cable Type]         3           Cable indentification [Cable Cable Type]         3           Cable indentification [Cable Cable Type]         3           Cable indentification [Cable Cable Type]         4 wire stwisted           Manount stranding         4 wires twisted <th colspan<="" td=""><td>Coating locking</td><td>Nickeled</td></th>	<td>Coating locking</td> <td>Nickeled</td>	Coating locking	Nickeled
Color contact carrier         green           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Commenter         Commenter           Environmental properature min         25° C         Operating temperature may         85° C           Additional condition temperature range         depending on cable quality           Conformity         Total cast and research and product standard         DIN EN 61076-2-101 (M12), DIN EN 81076-2-114 (M8)           Installation   Cable         Cable installation   Cable         Cable installation   Cable           Cable of Entification         631         Cable installation   Cable         Cable installation   Cable           Cable of Entification         631         Cable installation   Cable	Coating of fitting	nickel plated	
Locking material         Zinc die-casting           Material sorew connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Sale         Sale (Application)         Sale (Application)           Cable Type         3         3         3         3           Jacket Color         black         3         4	Color housing	black	
Material screw connection         Zinc die-casting           Mechaical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         631           Cable identification         631         Cable (Cabre of Cabre of C	Color contact carrier	green	
Mechanical 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           Confermity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification           Cable identification         631           Cable Type         3           Jacket Color         black           Type of Contribute         CURUs           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigh         33 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients [sacket]         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Outer diameter (sheath)         ± 5 %           Material we'n insulation         p 2.5 S	Locking material	Zinc die-casting	
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 631 Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white No. of bending cycles (C-track) 39 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 (sheath) ± 5 % Material wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1 pad 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 mm  Cuter diameter folerance core insulation 1 pad 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 mm  Material conductor wire Stranded copper wire, bare	Material screw connection	Zinc die-casting	
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable Identification         631           Cable I Type         3           Jacket Color         black           Type of Cartificate         cJURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         33 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Freedom from ingredients (jacket)         1 sad-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         <	Mechanical data   Mounting data		
Operating temperature min.         .25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         631           Cable Type         3           Jacket Color         black           Type of Cartificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         33 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4.5 mm           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PR           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter in	Mounting method	inserted, screwed, Shaking protection	
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification           Cable identification         631           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weight         33 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingretients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire in	Environmental characteristics   Climatic		
Additional condition temperature range depending on cable quality  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable   Cable identification 631  Cable Type 3  Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weigth 33 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) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter folerance core insulation 12.5 mm Under diameter loerance core 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 wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires (insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Material conductor wire Stranded copper wire, bare	Operating temperature min.	-25 °C	
Conformity         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         631           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         33 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)         4,5 mm           Outer-diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount strands (wire)         4           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         125 Shore D           Jameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Materia	Operating temperature max.	85 °C	
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         631           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Nio. @ 25° C           Cable weigh         33 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount strands (wire)         3 5 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 3 Shore D           Jameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²      <	Additional condition temperature range	depending on cable quality	
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         631           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Nio. @ 25° C           Cable weigh         33 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount strands (wire)         3 5 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 3 Shore D           Jameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²      <	Conformity		
Installation   Cable           Cable identification         631           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         33 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           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 <t< td=""><td></td><td>DIN EN 61076-2-101 (M12) DIN EN 61076-2-114 (M8)</td></t<>		DIN EN 61076-2-101 (M12) DIN EN 61076-2-114 (M8)	
Cable identification         631           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         33 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1 ad-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>DIVERVOTOTO 2 TOT (WIT2), DIVERVOTOTO 2 TT4 (WIO)</td>		DIVERVOTOTO 2 TOT (WIT2), DIVERVOTOTO 2 TT4 (WIO)	
Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         33 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 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           Ingredient freeness wire insulation         22           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²	•		
Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white No. of bending cycles (C-track) 10 Mio. @ 25 °C  Cable weigth 33 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) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation 2 ± 5 %  Shore hardness wire insulation 7 ± 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 4 wires twisted wire arrangement brown, black, blue, white No. of bending cycles (C-track) 10 Mio. @ 25 °C  Cable weigth 33 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) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 1 ± 5 %  Shore hardness wire insulation 2 + 5 %  Shore hardness wire insulation 1 ead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wires 0,1 mm  Ocnductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare			
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The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-27



Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3,6 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m