

## M8 male 0° / M12 female 90° A-cod.

PUR 3x0.25 ye UL/CSA+robot+drag ch. 0.6m

Male straight – female 90° Zinc die casting, save-cover coated M8 – M12, 3-pole M12, A-coded

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

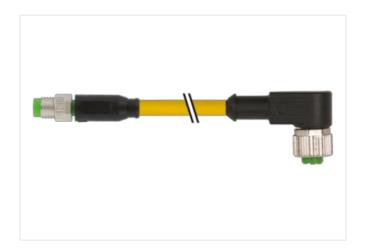
Further cable lengths on request.

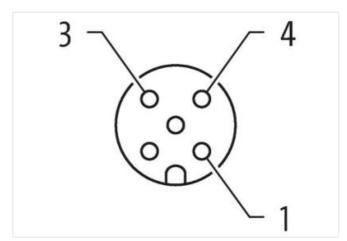
Plastic housings with good resistance against chemicals and oils.

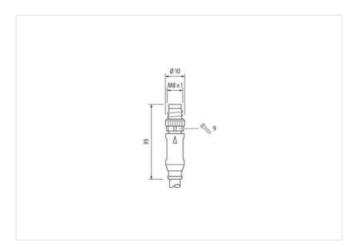
The resistance to aggressive media should be individually tested for your application. Further details on request.

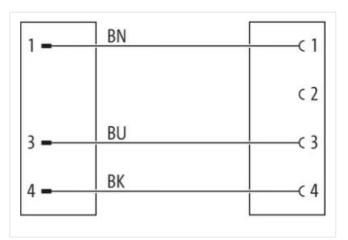
## **Link to Product**

## Illustration



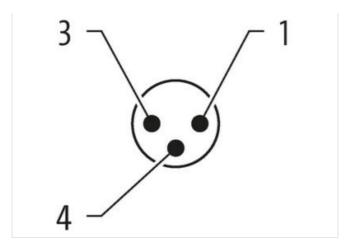


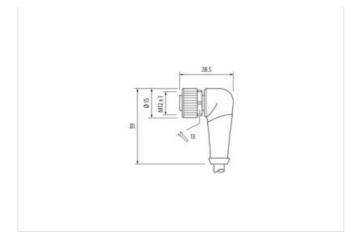






stay connected





Product may differ from Image











Cable length	0,6 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
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



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GTIN 0448879123198 1  Bectrical data   Supply  Operating voltage AC max.	customs tariff number	85444290
Packaging unit         1           Electrical data I Supply         50 V           Operating voltage AC max.         50 V           Operating voltage AC (UL-listed)         30 V           Deproperating protection IEEctrical         Possible Properation IEECTRICAL           Device protection IEECTRICAL         IEECTRICAL IEECTRICAL           Additional condition protection degree         3 served           Additional Condition protection degree         3 served           Control of Marketin Industrial Marketin Industrial Marketin Industrial Marketin Industrial Marketin Industrial Industr		
Electrical data   Supply         50 V           Operating voltage AC max.         50 V           Operating voltage AC (UL-stard)         30 V           Operating voltage AC (UL-stard)         30 V           Current operating voltage AC (UL-stard)         30 V           Current operating per contact max.         4 A           Diagnostics         ************************************		
Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage AC units with a standard policy of the properating voltage DC (UL islasd)         30 V           Operating voltage DC (UL islasd)         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED         no           Device protection   Electrical         Device protection (EN IEC 60529)         IP65, IP67, IP68, IP68K           Additional condition protection degree         inserted, screwed           Publishin Degree         3         Rated surge voltage           Additional condition protection degree         1,5 KV           Maleriag roug IIEC 60664-1         1           Michanical data   Marinal data         FOA           Material gushat         FOA           Material gushat         FOA           Material gushat         FOA           Mounting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comment           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature max.         85 °C		
Operating voltage AC (UI-listed)         30 V           Operating voltage AC (UI-listed)         30 V           Operating voltage AC (UI-listed)         30 V           Outrent operating per contact max.         4 A           Diagnostics         Status indication LED           Degree of protection [Electrical]         Degree of protection [Electrical]           Degree of protection protection degree         Inserted, servewd           Pollution Degree         3           Relads surge voltage         1,5 KV           Material group (IEC 80864-1)         I           Mechanical datal Material data         I           Conting beging         8 Mechanical data Material data           Conting beging         9 PIR           Material group (IEC 80864-1)         I           Mechanical data I Material data         FMA           Conting beging         9 PIR           Material powing         PIR           Mounting method         Inserted, servework, Shaking protection           Environmental characteristics   Climate         Vince and protection properature max.           Ser C         Operating temperature max.         85 °C           Operating temperature max.         86 °C           Conformity         Elemental protection (Pince Pince Pince Pince Pince Pince Pi	,	50.1/
Operating voltage AC (UL-island)         30 V           Current operating per contact max.         4 A           Diagnostics		
Operating portaging DC (UL-letter) 30 V Current operating per contact max. 4 A Disgnostics  Status indication LED no Device protection [Electrical Degree of protection (EN IEC 60549)   IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Pollution Degree   Additional condition protection degree inserted, screwed Material group (IEC 606641)   I Mechanical data   Material data   Mechanical data   Material data   Nounting data   Mechanical data   Mounting data   Mounting data   Mechanical data   Mounting data   Me		
Current operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication LED         no           Device protection   Electrical         Device protection (EN IEC 60529)         IP65, IP67, IP68, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Meterial group (IEC 60664-1)         I           Mechanical data   Material data         Mechanical data   Material data           Coating looking         safe-cover coated           Material packet         FKM           Mechanical data   Mounting data         Zinc die-casting           Mechanical data   Mounting data         Image: Carter of the casting           Mechanical data   Mounting data         Image: Carter of the casting           Mechanical data   Mounting data         Image: Carter of the casting           Mechanical data   Mounting data         Image: Carter of the casting           Poperating interperature max.         25 °C           Operating interperature max.         25 °C           Operating interperature max.         85 °C           Additional condition temperature range         depending on cable quality           Colice interperature max.		
Diagnostics           Situs infoation LED         no           Device protection [Electrical         Device protection (EN IEC 60529)         IP65, IP67, IP68, IP86K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raded surge voltage         1,5 kf V           Mechanical data         Websterial group (IEC 60684-1)           Mechanical data Material data         FKM           Material grasket         FKM           Material probability         PUR           Locking material         Zinc de-casting           Mechanical data   Mounting data         Multimaterial probability           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Environmental characteristics   Climatic           Coperating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Casteriated (Contraction of Cable (Co		
Status indication LED         no           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP65, IP67, IP68, IP68           Additional condition protection degree         inserted, screwed           Pollution Dagree         3           Rated surge voltage         1,5 kV           Macterial group (IEC 60684-1)         I           Mechanical clast   Material data         V           Costing locking         see cover coated           Material probability         PUR           Locking material         Zion de casting           Mechanical datal [Mounting data         FKM           Mechanical datal [Mounting data         William (Mechanical datal Mounting data)           Environmental characteristics [Climatic         Cerewed, Shaking protection           Environmental characteristics [Climatic         Properating temperature min.         25 °C           Operating temperature min.         25 °C         Properating 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)           Institution   Cable         Cable identification         OSD           Cable identification   Cable         Cable identificat	·	40
Degree of protection (EN IEC 60528)         IP65, IP67, IP68, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Meterial group (IEC 60664-1)         I           Mechanical datal Material date         I           Coating locking         safe-cover coated           Material possing         PUR           Locking material         Zinc die casting           Mochanical datal Mounting data         Mochanical datal Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comperating temperature min.         -25 °C           Operating temperature min.         -25 °C         Operating temperature max.         -85 °C           Operating temperature range         depending on cable quality         Operating temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable           Installation   Cable         Justice (Solice Color yellow Color yell	Diagnostics	
Degree of protection (RN IEC 60329)         IP65. IP67. IP68. IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Coating locking           Material gasket         FKM           Material possing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mechanical data   Mounting data           Mechanical data   Mounting data           Mechanical data   Mounting data           Environmental characteristics   Climatic           Operating method           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °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           Cable identification   DSO           Gable Type         5           Jacket Color		no
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data           Coating locking         safe-cover coated           Material gasket         FKM           Material poulang         PUR           Locking material         Zinc dise-assing           Mechanical data   Mounting data         Winderbanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Union of the protection of the protec	Device protection   Electrical	
Pollution Degree         3           Rated surge voitage         1.5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         FKM           Coating locking         safe-cover coated           Material gasket         FKM           Material pasket         FKM           Mechanical data   Mounting         PUR           Locking material         Jose diseasting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Meritage presture min.         25 °C           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         V           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         S           Cable identification         05           Cable identification         05           Cable in Yepe         5           Jacket Color         yellow           Yipe of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrang	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Rated surge voltage         1,5 kV           Material group (IEC 60684-1)         I           Mechanical data   Material data         I           Coating locking         sale-cover coated           Material gasket         FKM           Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         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         Very Product standard         DN En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Description (Material for Cable for Cable for Cable (Material for Cable for Cable for Cable (	Additional condition protection degree	inserted, screwed
Material group (IEC 60664 1)         I           Mechanical data   Material data           Coating locking         safe-cover coated           Material pasket         FKM           Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comperating temperature min.         -2.5 °C           Operating temperature max.         85 °C         Acaditional condition temperature range         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable           Installation   Cable         S         S         S         S           Cable indentification         050         S <td>Pollution Degree</td> <td>3</td>	Pollution Degree	3
Mechanical data   Material data         Safe-cover coated           Material gasket         FKM           Material function         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method           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)           Tastallation   Cable         Cable identification         050           Cable identification         050         Cable identification         050           Cable Type         5         Sales Color         yellow           Ypp of Carificate         UPRus         CuPrus           Amount stranding         1         Stranding         3 wires twisted           Wrie arrangement         brown, black, blue         Down, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C         Cable weigh         28 ± 3 shore D           Freedom from ingredients (jacket)         laed-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)         4.3 mm	Rated surge voltage	1,5 kV
Coating looking         safe-cover coated           Material pasket         FKM           Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Commendate prograture manuments           Operating temperature min.         -25 °C           Operating temperature many         85 °C           Additional condition temperature range         depending on cable quality           Contently         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Installation   Cable           Cable identification         050         Solid (M12), DIN EN 61076-2-114 (M8)           Type of Cartificate         URUs         Solid (M12), DIN EN 61076-2-114 (M8)           Amount stranding         1         Stranding         1           Visual of Cartificate         URUs         Solid (M12), DIN EN 61076-2-114 (M8)           Amount stranding         1         1           Stranding         3 wires stristed         3           Visual of Cartificate         Cultive Solid (M12), DIN EN 61076-2-114 (M8)         4           Material jacket         DIN EN 61076-2-101 (M12), DIN EN 61076-2-	Material group (IEC 60664-1)	I
Material pasket         FKM           Material blousing         PUR           Locking material         Zinc die-casting           Mechanical date   Mounting data         Mounting method           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         45 °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         Coperating temperature may be a compared to the product standard         50           Cable Installation   Cable         Coperating temperature may be a coperature may be a c	Mechanical data   Material data	
Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, 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         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         50           Cable identification         050         Cable identification           Cable of Carlificate         CURSUS         CURSUS           Amount stranding         1         Stranding         3 wires twisted           wire arrangement         brown, black, blue         No. of bending cycles (C-track)         10 Mic. @ 25 °C           Cable weight         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         1.5 %           Material wire insulation         PP           Amount wires         3           Outer diamet	Coating locking	safe-cover coated
Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comparing temperature main.         -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         050           Cable identification         050           Cable rype         5           Jacket Color         yellow           Vype of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. 25 °C           Cable weight         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         ± 5 %           Material wire insulation         PP	Material gasket	FKM
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           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         050           Cable identification         050         Cable Type         5           Jacket Color         yellow         Yullow           Type of Certificate         cuRus         CuRus           Amount stranding         1         Stranding           Vire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigh         26 4.9 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation	Material housing	PUR
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           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         050           Cable Type         5           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigh         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter toler	Locking material	Zinc die-casting
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         050           Cable identification         050           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance	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         Use of cable identification         050           Cable Identification         050         050           Jacket Color         yellow         050           Type of Certificate         cURus         050           Amount stranding         1         050           Stranding         3 wires twisted         050           View arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         26.4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm	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 050 Cable Type 5 Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable wight 26,4 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,25 mm Outer diameter tolerance core insulation 74 ± 3 Shore D  Shore hardness wire insulation 74 ± 3 Shore D	Environmental characteristics   Climatic	
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         050           Cable Type         5           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         7 ± ± 3 Shore D	Operating temperature min.	-25 °C
Conformity         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         050           Cable Type         5           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         5 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         7 ± ± 3 Shore D	Operating temperature max.	85 °C
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         050           Cable Type         5           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 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         7 ± ± 3 Shore D	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         050           Cable Type         5           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 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         7 ± ± 3 Shore D	Conformity	
Installation   Cable           Cable identification         050           Cable Type         5           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 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         74 ± 3 Shore D		DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable identification         050           Cable Type         5           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 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         74 ± 3 Shore D	Installation   Cable	
Cable Type         5           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         26,4 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,3 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         74 ± 3 Shore D	·	050
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wire arrangement brown, black, blue  No. of bending cycles (C-track) 10 Mio. @ 25 °C  Cable weigth 26,4 g/m  Material jacket PUR  Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,3 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 74 ± 3 Shore D	Amount stranding	
No. of bending cycles (C-track)  10 Mio. @ 25 °C  Cable weigth  26,4 g/m  Material jacket  PUR  Shore hardness jacket  58 ± 3 Shore D  Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  4,3 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  54 ± 3 Shore D	Stranding	3 wires twisted
No. of bending cycles (C-track)  10 Mio. @ 25 °C  Cable weigth  26,4 g/m  Material jacket  PUR  Shore hardness jacket  58 ± 3 Shore D  Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket)  4,3 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  54 ± 3 Shore D	wire arrangement	
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,3 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 74 ± 3 Shore D	No. of bending cycles (C-track)	10 Mio. @ 25 °C
Shore hardness jacket 58 ± 3 Shore D  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,3 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 74 ± 3 Shore D	Cable weigth	26,4 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,3 mm  Tolerance outer diameter (sheath)  45 %  Material wire insulation  PP  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  5 %  Shore hardness wire insulation  74 ± 3 Shore D	Material jacket	PUR
Outer-diameter (jacket)         4,3 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         74 ± 3 Shore D	Shore hardness jacket	58 ± 3 Shore D
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 74 ± 3 Shore D	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D	Outer-diameter (jacket)	4,3 mm
Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D	Tolerance outer diameter (sheath)	
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 74 ± 3 Shore D	Amount wires	
Shore hardness wire insulation 74 ± 3 Shore D	Outer diameter insulation	· · · · · · · · · · · · · · · · · · ·
	Outer diameter tolerance core insulation	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
	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 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
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
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
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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	1 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 360 °/m