

## M12 male 0° / M8 female 0° A-cod.

PUR 4x0.25 gy UL/CSA+drag ch. 3.2m

Male straight - female straight

M12 - M8, 4-pole

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

with cable sleeves

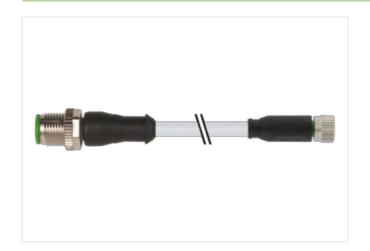
Plastic housings with good resistance against chemicals and oils.

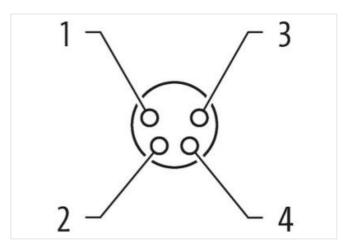
The resistance to aggressive media should be individually tested for your application. Further details on request.

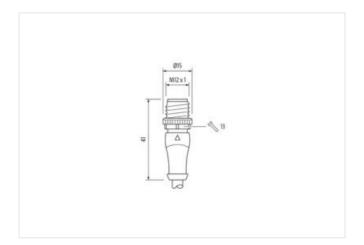
Further cable lengths on request.

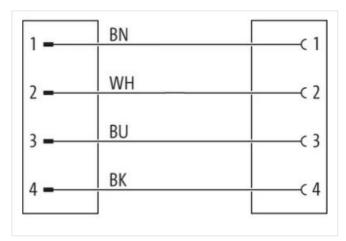
## **Link to Product**

## Illustration





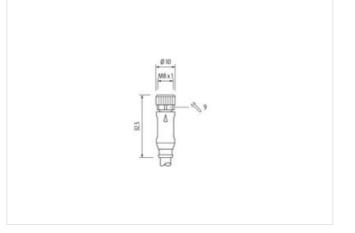






stay connected





Product may differ from Image











Cable length	3,2 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
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, 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 $\emptyset$ )	6,5 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, 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



stay connected

ETMA-6.0 EC001855 customs traff number 8544290 GTN 49489799117 Packaging unit 1  Electrical data   Supply  Operating voltage AD max. 50 V Operating voltage AD max. 60 V Operating voltage AD max. 70 V Operating voltage AD max. 70 V Operating voltage AD max. 70 V Operating voltage AD CHL-steed) 70 V Operating voltage AD CHL-steed 70 V Operating vol	ECLASS-12.0	27060311
coutons tariff number         85444289           CTIN         404857891017           Packsigniq unt         1           Electrical data [Suppty         50 V           Operating votage AC max.         50 V           Operating votage AC (UL-listed)         30 V           Operating votage AC (UL-listed)         30 V           Operating votage AC (UL-listed)         30 V           Oursell cororating per contact max.         4 A           Packs and the control operation of percent of the control operation of septements.         4 A           Packs and protection (Electrical)         Additional condition protection degree           Additional condition protection degree         3 a           Rated surge votage         3           Rated surge votage         1,5 kV           Machineral code (EC 69864-1)         1           Machineral code (EC 69864-1)         2           Machineral gasket         PKIM           Mountin		
GTIN		
Packaging unit         1           Electrical data (Supply)         60 Y           Operating voltage AC max.         60 Y           Operating voltage AC (IL-listed)         30 Y           Operating voltage AC (IL-listed)         30 Y           Operating voltage Por contract max.         4 A           Diagnostics         ****  *** Status indication LED***  *** Poliution Depreceded in Electrical**  Addisional condition protection dagree inserted, screwed           Poliution Deprece         3           Radio surgo voltage on [IEC 60064-1]         I           Machinaria group (IEC 60064-1)         I           Machinaria group voltage on (IEC 60064-1)         I	GTIN	
Electrical data   Supply         Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage DC max.         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Diagnostice         ************************************		
Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage AC UL. Islaed)         30 V           Operating voltage AC UL. Islaed)         30 V           Contract operating per contact max.         4 A           Diagnostics         Status indication. LED         no           Device protection   Electrical         No           Additional condition protection degree         inserted, screwed           Pollution Dugree         3           Rated surge voltage         1.5 RV           Mechanical data   Material data         No           Coating of fitting         nickeled           Coating of fitting         nickel placed           Material group (IEC S0864-1)         I           Mechanical data   Material data         No           Coating of fitting         nickel placed           Material group (IEC S0864-1)         I           Mechanical data   Material data         No           Coating of fitting         nickel placed           Material group (IEC S0864-1)         I           In die-assing         No           Material grown (IEC S0864-1)         I           In die assistance         FIVA           Mounting method         inser		
Operating voltage DC max         60 V           Operating voltage AC (UL-listed)         30 V           Ournot Operating voltage DC (UL-listed)         30 V           Current Operating per contact max.         4 A           Diagnostics         Institute indication LED         no           Device protection   Electrical         Additional condition protection degree         inserted, screwed           Pollution Degree         3         Rated surge voltage         1.5 kV           Meterial group (IEC 666841)         1         Inserted Group (IEC 666841)         Inserted Group (IEC 666841)           Mechanical data (Material data         Visional Condition (Material data (Material da		FOV
Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Oberating temperature min. 25 °C Operating temperature min. 25 °C Operating temperature max. 85 °C		
Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A  A A  Disagnostics  Status indication LED no  Device protection   Electrical  Additional condition protection degree (Section 1)   1  Additional condition protection degree (Section 1)   1  Machanical disagnostics   Machanical disagnostics   15 kV    Material group (IEC 800841)   1  Coating locking Nickelod  Coating of litting nickel plated  Material group (IEC 800841)   2  And disagnostics   Machanical di		
Current operating per contact max.  Diagnostics  Status indication LED  no  Device protection   Electrical  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 of fitting   nickel plated   Material gasket   FKM   Coating of fitting   nickel plated   Material gasket   FKM   Coating also row connection   Zinc die-casting   Material screw connection   Zinc die-casting   Material characteristics   Cilmatic   Doerating inemperature max.   25 °C   Operating temperature max.   25 °C   Operatin		
Diagnostics           Status indication LED         no           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60684+1)         1           Mechanical data   Material data         Incide plated           Coating of Stiting         Nickeled           Coating of Stiting         nickel plated           Material graces         FKM           Locking material         Zinc die-casting           Material graces connection         Zinc die-casting           Meterial scarce connection         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Zinc die-casting           Environmental characteristics   Climatic         Zinc die-casting           Environmental characteristics   Climatic         Zinc die Connection           Coperating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Disc No 16176-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         231           Cable identification		
Status indication LED no  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Fated surge voltage 1,5 kV  Material group (IEC 69664-1) I  Mechanical data   Material data  Mechanical data   Material data  Mechanical data   Material data  Material gasket FKM  Locking material Zinc die-casting  Metherial screw connection Zinc die-casting  Metherial screw connection Zinc die-casting  Mechanical data   Mounting data  Muculing method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Coperating temperature min. 25 °C  Operating temperature min. 45 °C  Operating temperature range depending on cable quality  Conformity  Product standard In Din En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Insertaliation   Cable  Cable identification   231  Cable identification   3 3  Jacket Color gray  Type of Certificate UFRus  Amount stranding I Wissel twisted  Wissel arrangement Divorw, bisks, blue, white  No. of bending cycles (C-track) 10 Mo. @ 25 °C  Cable wight 33 g/m  Material jacket PUR  Shore hardness jacket 90 5 5 Shore A  Freedom from ingredients (jacket) 0, 125 mm  Material jacket 1, 25 mm  Material jacket 1, 25 mm  Material jacket 1, 25 mm  Material wive insulation PPP  Material wive insulation PPP  Material wive insulation 1, 25 mm		
Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge vollage         1,5 kV           Meternal group (IEC 60064-1)         I           Mechanical datal   Material data         I           Coating locking         Nickeled           Coating of titing         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical datal   Mounting data         Mounting method           Merchanical datal   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Ferrorection           Environmental characteristics   Climatic         ST °C           Operating temperature min.         -25 °C           Operating temperature range         depending on cable quality           Conformity         Froduct standard           Installation   Cable         ST °C           Cable identification         231           Cable identification         231           Cable identification         231           Cable identification         4 wirest twisted		
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Fated surge voltage         1,5 kV           Material group (ICE 06064-1)         I           Mechanical data   Material data         I           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial properature mode and properature mode and properature mana.         25 °C           Operating temperature min.         25 °C           Operating temperature mana.         85 °C           Additional condition temperature range         depending on cable quality           Controlly         Vince 10 mstallation   Cable           Product standard         Din En 61076-2-101 (M12), DIN En 61076-2-114 (M8)           Installation   Cable         Cable identification           Cable (dentification)         231           Cable Type         3           Jackei Color         gray           Type of Carlidate         CURus           Amount stranding         1		no
Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (E 60664-1)         1           Mechanical data   Material data	Device protection   Electrical	
Material group (IEC 60664-1)   I   I   I   I   I   I   I   I   I	Additional condition protection degree	· · · · · · · · · · · · · · · · · · ·
Methalical group (IEC 60664-1)    Mechanical data   Material data   Material gasket   FKM     Material gasket   FKM     Locking material   Zinc die-casting     Methanical data   Mounting data     Mechanical data   Mounting data     Meditional conditional temperature min.	Pollution Degree	
Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Webranical 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           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification           Cable identification         231           Cable institution         219           Cable institution         10 UR s.           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (Crtack)         10 Min. @ 25 °C           Cable weight         33 °m           Material yacket         90 ±	Rated surge voltage	1,5 kV
Coating looking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Competating temperature min.         -25 °C           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         Cable identification         231           Cable identification         231           Cable identification         3           2able Color         gray           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, 92 °C           Cable weigh         33 g/m           Material jacket         PUR           Shore A	Material group (IEC 60664-1)	
Coating of fitting         nickel plated           Material gasket         FKM           Locking material         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.         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         231         Cable identification         231         Cable identification         231         Cable identification         231         Cable Type         3         Jacket Color         gray         Type of Certificate         cURus         Culture         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         9 US 5 Snor A         Freedom from ingredients (jacket)         1 sad free, cadmium-free, CFC-free, halogen-free, silicone-free         Freedom from ingredients	Mechanical data   Material data	
Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Inserted, screwed, Shaking protection         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         231           Cable rype         3           Jacket Color         gray           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)         4.5 mm           Tolerance outer diamet	Coating locking	Nickeled
Locking material         Zinc die-casting           Mechanical data   Mounting data         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           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         231         Cable identification         231           Cable Type         3         3         3           Jacket Color         gray         1           Type of Certificate         cURus         4           Amount stranding         1         4           Stranding         4         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, cardmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)<	Coating of fitting	nickel plated
Material screw connection         Zinc die-casting           Mechanical data   Mounting data         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         231           Cable identification         231           Cable Type         3           Jacket Color         gray           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         PUR           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 %           Amount wires	Material gasket	FKM
Mechanical data   Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Material screw connection	Zinc die-casting
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 231  Cable Type 3  Jacket Color gray  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	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         231           Cable Type         3           Jacket Color         gray           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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           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         231           Cable Type         3           Jacket Color         gray           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)         9.45 mm           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm	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 231  Cable Type 3  Jacket Color gray  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 PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Amount wires 4  4  Cuter diameter insulation 1,25 mm		
Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         231           Cable Type         3           Jacket Color         gray           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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm	Operating temperature min.	-25 °C
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         231           Cable Type         3           Jacket Color         gray           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	Operating temperature min.  Operating temperature max.	
Installation   Cable           Cable identification         231           Cable Type         3           Jacket Color         gray           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		85 °C
Cable identification         231           Cable Type         3           Jacket Color         gray           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	Operating temperature max.  Additional condition temperature range	85 °C
Cable Type         3           Jacket Color         gray           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	Operating temperature max.  Additional condition temperature range  Conformity	85 °C depending on cable quality
Cable Type         3           Jacket Color         gray           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	Operating temperature max.  Additional condition temperature range  Conformity  Product standard	85 °C depending on cable quality
Jacket Color gray  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	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
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	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231
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	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231
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	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray
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	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus
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	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1
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	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted
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	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted brown, black, blue, white
Freedom from ingredients (jacket)  Outer-diameter (jacket)  A,5 mm  Tolerance outer diameter (sheath)  4 5 %  Material wire insulation  PP  Amount wires  4  Outer diameter insulation  1,25 mm	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m
Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR 90 ± 5 Shore A
Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray  cURus  1  4 wires twisted  brown, black, blue, white  10 Mio. @ 25 °C  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires 4 Outer diameter insulation 1,25 mm	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231  3  gray  cURus  1  4 wires twisted  brown, black, blue, white  10 Mio. @ 25 °C  33 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,5 mm
Outer diameter insulation 1,25 mm	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 %
<u>`</u>	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP
Outer diameter tolerance core insulation ± 5 %	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP
	Operating temperature max.  Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  231 3 gray cURus 1 4 wires twisted brown, black, blue, white 10 Mio. @ 25 °C 33 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,5 mm ± 5 % PP 4 1,25 mm



stay connected

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 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
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
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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m