

## M12 male 0° / M8 female 0° A-cod.

PVC 4x0.25 gy UL/CSA 50m

Male straight - female straight

M12 - M8, 4-pole

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

with cable sleeves

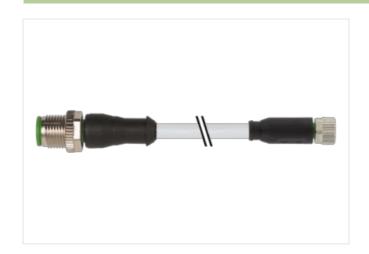
Plastic housings with good resistance against chemicals and oils.

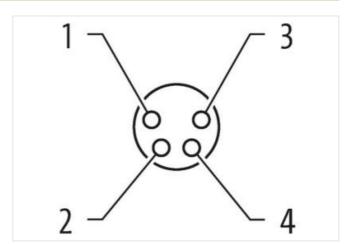
The resistance to aggressive media should be individually tested for your application. Further details on request.

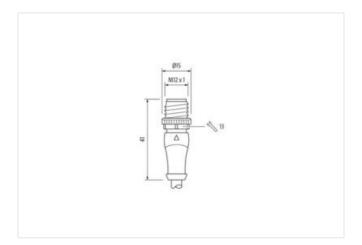
Further cable lengths on request.

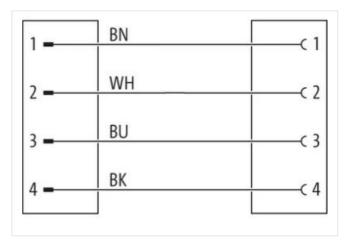
## **Link to Product**

## Illustration











stay connected





Product may differ from Image











Cable length	50 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

ETMAS 0.0         EC001855           CRTN         49484290           OTRN         404887264311           Packaging unit         1           Electrical data (Supply)           Operating voltage AO max.         50 V           Operating voltage AO max.         50 V           Operating voltage OE max.         60 V           Operating voltage OE (UL listed)         30 V           Operating voltage OE (UL listed)         4 A           Diagnostics         Total Control (Control (Cont	ECLASS-12.0	27060311
coutoms tariff number         85444290           CTIN         404857924501           Packadaging unit         1           Electrical data [Suppty         50 V           Operating voltage AC max.         50 V           Operating voltage AC (UL-lated)         30 V           Operating voltage AC (UL-lated)         30 V           Outrent operating per contact max.         4 A           Plagnostics         ************************************		
GTIN 494872584301    Flectrical data Supply		
Packaging unit         1           Electrical data (Supply)         60 Y           Operating voltage AC max.         60 Y           Operating voltage AC (UL listed)         30 Y           Operating voltage AC (UL listed)         30 Y           Current operating per contact max.         4 A           Disposation         V           Status indication LED         no           Power protection [Electrical         Additional condition protection degree           Additional condition protection degree         1,5 kV           Machismal group (IEC 66664-1)         1           Institution Degree         2           Rated surge voltage         1,5 kV           Makerial group (IEC 66664-1)         1           Institution (IEC 66664-1)         1           Institution (IEC 66664-1)         1           Makerial group voltage         1,5 kV           Makerial group voltage         1,6 kV           Material state (IEC 66664-1)         1           Material group voltage         2 fix 6           Conting (IEC 66664-1)         2 fix 6 casting           Material state wonnection         2 fix 6 casting           Machineral state (IEC 6664-1)         2 fix 6 casting           Machineral state (IEC 6664-1)		
Electrical data   Supply         Coperating voltage AC max.         50 V           Operating voltage DC mex.         60 V           Operating voltage DC (UL Islad)         30 V           Correct operating routing or promised max.         4 A           Diagnostics         Status indication LED         no           Status indication LED         no           Device protection   Electrical         VA           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Read surpe voltage         1,5 kV           Material good fitting         Nickelod           Coating focking         Nickelod           Coating focking         nickel plated           Material good fitting         nickel plated           Muterial grow convoicion         2nd de-casting           Muterial grow convoicion         2nd de-casting           Muterial grow convoicion         2nd de-casting           Muterial grow fitting		
Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage AC ull-steed)         30 V           Operating voltage DC (Ull-steed)         30 V           Current operating per contact max.         4 A           Diagnostics         V           Status indication LED         no           Divice protection   Electrical         V           Additional condition protection degree         Inserted, screwed           Pollution Degree         3           Rarded surge voltage         1,5 kV           Machanical data   Material data         Inserted, screwed           Coating of fitting         nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc dis-casting           Material gasket         FKM           Locking material         Zinc dis-casting           Material gasket         FKM           Locking method         Inserted, screwed, Shaking protection           Environmetal characteristics   Climate         Vinc dis-casting           Mounting temperature max.         85 °C           Operating temperature max.         85 °C           Operating temperature max.		
Operating voltage DC max         60 V           Operating voltage AC (UL-listed)         30 V           Ournot operating per contact max.         4 A           Plagnostics         ************************************		
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Plagnostics         Status indication LED         no           Powice protection   Electrical         Additional condition protection degree         inserted, screwed           Pollution Degree         3         Redict surge voltage         1.5 kV           Material group (IEC 60684-1)         1         I           Mechanical distal [Material data           Coating locking         Nickeled         Inserted           Coating of litting         nickele plated           Material screw connection         Zinc die-casting           Mechanical data [Mounting data         Mechanical data [Mounting data           Mounting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature max.         85 °C           Operating temperature max.         85 °C         Operating temperature may. <td></td> <td></td>		
Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A  A A  Diagnostics  Status indication LED no  Device protection   Electrical  Additional condition protection degree  Additional condition protection degree  1,5 kV  Material group (IEC 60684.1) I  Machanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated  Material group (IEC 60684.1) I  A Coating locking Nickeled Coating of fitting nickel plated  Material group (IEC 60684.1) Zinc dis-casting  Material group (IEC 60684.1) Zinc dis-casting  Material grown correction Zinc dis-casting  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating representative mix. 25 °C  Operating representative mix. 88 °C  Additional condition temperature range depending on cable quality  Corrormity  Product standard DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)  Installation   Cable  Cable installation   Cable  Cable installation   Cable  Cable installation   Cable  Cable installation   21  Stranding 4 wires twisted  wire arrangement Dirown, black, blue, white  Cable weight 34,76 gm  Material picket   PVC  Shore handness jacket PVC  Shore handness jacket PVC  Amount stranding 1,25 mm  Outer diameter (sleakel) 4,8 mm  Tolerance outer diameter (sleakel) 4,8 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm		
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 kW Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickel plated  Material gasket FKM Locking material Ziro die-casting Material gasket FKM Locking material Ziro die-casting Material screw connection Ziro die-casting Material promperature max. 25 °C Operating imperature max. 25 °C Conformity  Product standing Dim En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation Cable Cable identification Ziro die view between Ziro die view ziro die vi		
Diagnostics           Status indication LED         no           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raced surge voltage         1,5 kV           Mactorial group (IEC 60684+1)         1           Mechanical data   Material data         Incide plated           Coating Obding         Nickeled           Coating Obding         Incide plated           Material grace         FKM           Locking material         Zinc die-casting           Material screw connection         2 mide-casting           Mechanical data   Mounting data         Vision-casting temperature and           Mechanical condition temperature and         25 °C           Operating 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)           Institution   Cable         211         Cable independention of temperature and part of the casting of the casting part of the casting		
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) 1  Mechanical data   Material data  Mechanical data   Material data  Material gasket FKM  Locking material Zinc 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. 25 °C  Operating temperature min. 45 °C  Operating temperature map. 45 °C  Operating temperature range depending on cable quality  Conformity  Product standard Din Lemperature range depending on cable quality  Conformity  Product standard Din Lemperature range depending on cable quality  Conformity  Product standard 211  Cable (Colle Guillication Cable  Cable identification 211  Cable (Collification Guillication Culkus Amount stranding 1  Stranding 4 wires twisted  Wires twisted  Amount stranding 1  Stranding 4 wires twisted  Wire arrangement Deformation Stack blue, white  Cable weight 34,76 gm  Material picket Stack 55 S S S S S S S S S S S S S S S S S S		4 A
Device protection   Electrical   Inserted, screwed	Diagnostics	
Additional condition protection degree inserted, screwed  Pollution Degree 3  1,5 kV  Material group (IEC 80684-1) 1  Mechanical data   Material data  Coating locking Nickeled  Coating of String nickel plated  Material gasket FKM  Locking material Zinc disc-assting  Meterial grown protection of Zinc disc-assting  Meterial grown protection of Zinc disc-assting  Meterial screw connection Zinc disc-assting  Mechanical data   Mounting data  Mounting method inserted, Screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 2-25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Contomity  Product standard Din No 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable Type  Cable dentification 211  Cable Type  1 1  Lacket Color gray  Type of Certificate CURUs  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weight 34,76 g/m  Material jacket PVC  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 1,25 mm  Outer diameter (jacket) 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation 1,25 mm	Status indication LED	no
Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (E5 60964-1)         1           Mechanical data   Material data         Coating flocking         Nickeled           Coating flocking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical 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         Standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         211           Cable identification         211           Cable identification         211           Cable identification         4 Wives twisted           <	Device protection   Electrical	
Material group (IEC 60664-1)   I	Additional condition protection degree	inserted, screwed
Material group (IEC 60664.1)         I           Mechanical data   Material data           Coating locking         Nickeled           Coating of lifting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Comperating 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)         Institution of the product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Institution of the product standard         Institution of the product stand	Pollution Degree	3
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         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Comperating temperature min.           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         21           Cable identification         21           Cable identification         21           Cable identification         21           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         34,76 g/m           Material jacket         PVC           Shore hardness jacket	Rated surge voltage	1,5 kV
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         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature man.         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         211           Cable identification         211         Cable identification           Cable of Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4,8 mm           Tol	Material group (IEC 60664-1)	T
Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material serve vonnection         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         211           Cable identification         211           Cable of Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           Wrie arrangement         brown, black, blue, white           Cable weight         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4,8 mm           Tolerance outer diameter (sheath)         4,8 mm <td>Mechanical data   Material data</td> <td></td>	Mechanical data   Material data	
Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material serve vonnection         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         211           Cable identification         211           Cable of Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           Wrie arrangement         brown, black, blue, white           Cable weight         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4,8 mm           Tolerance outer diameter (sheath)         4,8 mm <td>Coating locking</td> <td>Nickeled</td>	Coating locking	Nickeled
Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         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           Product standard         DIN En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         211           Cable identification         211         Cable (General Coperation)         Cable (General Coperation)           Amount stranding         1         Stranding         4         Cable (General Coperation)         4         Cable (General Coperation)         4         Cable (General Coperation)         4         Cable (General Coperation)         Cable (Ge		nickel plated
Locking material         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting method           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         211           Cable identification         211           Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4		· · · · · · · · · · · · · · · · · · ·
Metarial 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         211           Cable dentification         211           Cable Type         1           Jacket Color         gray           Type of Certificate         cuRus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ±5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4		Zinc die-casting
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         211           Cable identification         21 1           Qable 10 Certificate         URUs           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Material screw connection	
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 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weight 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Amount wires  4 Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	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         211           Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core 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         211           Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm	Environmental characteristics   Climatic	
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         211           Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm	Operating temperature min.	-25 °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 211 Cable Type 1 Jacket Color gray Type of Certificate cURus  Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Quiter diameter tolerance core insulation ± 5 %  Outer diameter tolerance core insulation ± 5 %  Outer diameter tolerance core insulation ± 5 %		
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         211           Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Operating temperature max.	85 °C
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         211           Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Operating temperature max.  Additional condition temperature range	
Installation   Cable           Cable identification         211           Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Additional condition temperature range	
Cable identification         211           Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Additional condition temperature range  Conformity	depending on cable quality
Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Additional condition temperature range  Conformity  Product standard	depending on cable quality
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 34,76 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard	depending on cable quality
Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 34,76 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211
Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211 1 gray
wire arrangement brown, black, blue, white Cable weigth 34,76 g/m  Material jacket PVC Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211 1 gray
Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211  1  gray  cURus  1
Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211 1 gray cURus 1 4 wires twisted
Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,8 mm  Tolerance outer diameter (sheath)  45 %  Material wire insulation  PVC  Amount wires  4  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m
Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211  1 gray cURus 1 4 wires twisted brown, black, blue, white 34,76 g/m PVC
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A
Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  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)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free
Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  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)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  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)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm  ± 5 %
Outer diameter tolerance core insulation ± 5 %	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm  ± 5 %  PVC
	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211  1 gray cURus 1 4 wires twisted brown, black, blue, white 34,76 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,8 mm ± 5 % PVC
Shore hardness wire insulation 45 ± 5 Shore D	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  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	depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm  ± 5 %  PVC  4  1,25 mm
	Additional condition temperature range  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  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  Outer diameter tolerance core insulation	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)

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: 2024-04-26



Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
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