

## M12 male 0° / M8 female 0° A-cod.

PVC 4x0.25 bk UL/CSA 3m

Male straight – female straight

M12-M8, 4-pole

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

with cable sleeves

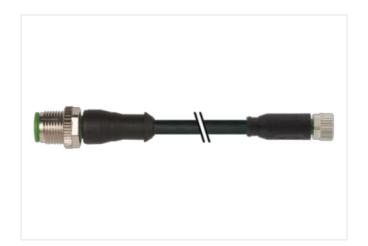
Plastic housings with good resistance against chemicals and oils.

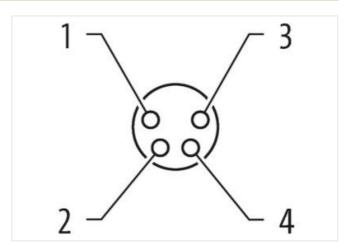
The resistance to aggressive media should be individually tested for your application. Further details on request.

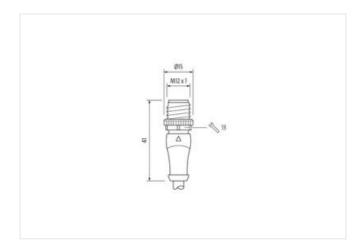
Further cable lengths on request.

## **Link to Product**

## Illustration





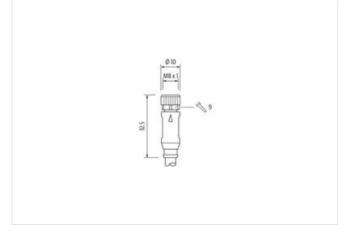






stay connected





Product may differ from Image











Cable length	3 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 Ø)	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

ECLASS 120         27x80011           ETMA 5.0         ECO01855           customs saff number         85x44200           GTN         403897185043           Packaging unit         1           Electrical data   Supply         Cerealing voltage AC max.         50 V           Operating voltage AC max.         50 V           Operating voltage AC max.         50 V           Operating voltage AC max.         4 A           Contract operating per contact max.         4 A           Diagnostics         60 V           Coverant operating per contact max.         4 A           Diagnostics         6 O           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         inserted. serviced           Pollution Diagnostics         1 S.VV           Macterial group (EC 80884-1)         1           Machine and group (EC 80884-1)         1           Coating at hilling         nickle plated           Coating at hilling         nickle plated           Coating at hilling         nickle plated           Machine at group operation at hilling at hilli	ECLASS-12.0	0700014
customs sarff number         85446290           GTN         404887962043           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage AC (UL sited)         30 V           Operating voltage AC (UL sited)         30 V           Current operating per contact max.         4 A           Disposition           Status indication EED           Disposition         mo           Disposition (Electrical)           Additional condition protection (Electrical)           Additional condition protection degree         inserted, screwed           Related surgors voltage         1,5 kV           Macterial data (Material data)         Nickeled           Coating of filting         mickeled           Coating of filting         mickeled casting           Material gaster         FMI           Mounting method         incerted, screwed, Shaking protection           Electracial Mounting data         incerted, screwed, Shaking protection           Electromity         25 °C           Product standed         DIN EN 61076-2-101 (M12), DIN EN 61078-2-114 (M8)           Installation (Cable         1           Cable confli		
CINA   A048791 62045     Packaging   1		
Packaging unit		
Petertical data   Supply		
Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage AC (III-stated)         30 V           Operating voltage DC (III-stated)         30 V           Current operating per contact max.         4 A           Discourage of the control of the cont		1
Operating voltage PC max         60 V           Operating voltage PC (UL-listed)         30 V           Current operating per contact max.         4 A           Device protection   Electrical           Additional condition protection degree         inserted, strewed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 80864+1)         1           Michanical data   Material data         Coating of fitting           Michanical data   Material data         Coating of fitting           Material gasket         FKM           Locking material         Zinc dis-casting           Mechanical data   Mounting data         Michanical data   Mounting data           Mounting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climate         Coperating temperature min.           Operating temperature max.         85 °C           Conformity         Product standard           Din En (1076 2-101 (M12), DIN EN 61076 2-114 (M8)           Institution   Cabb         Institution   Cabb           Conformity         Product standard           Din En (1076 2-101 (M12), DIN EN 61076 2-114 (M8)           Institution   Cabb         Institution   Cabb           Cabbic dentificat	Electrical data   Supply	
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Description of Intertical Status indication LEO           Description of Device protection   Electrical           Additional condition protection degree         incerted, screwed           Pollution Degree         3           Bated surge voltage         1,5 kV           Macterial group (IEC 6066-1)         1           Mechanical data   Mactrial data           Coating locking         Nickeled           Coating locking         nickel plated           Material gasket         PKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Macterial pemberature min.         2.5 °C           Operating temperature min.         2.5 °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         611           Cable iden	Operating voltage AC max.	50 V
Operating voltage DC (UI-listed)         30 V           Current operating per contact max.         4 A           Disegnostics         ****  Status indication LED**  ***  ***  ***  ***  **  **  **  **	Operating voltage DC max.	60 V
Current operating per contact max.         4 A           Diagnostics         Status indication LED         no           Device protection [Electrical]         Additional condition protection degree         Inserted, screwed           Pollution Degree         3         Rated surge voilage         1,5 kV           Material group (IEC 60064-1)         1         Mechanical data Material data           Coating locking         Nickeled         Coating of lifting         nickel plated           Material gasket         FKM         Coding material         Zim die-casting           Material sorew connection         Zim die-casting         Material sorew connection         Zim die-casting           Mounting method         Inserted, screwed, Shaking protection         Environmental characteristics   Climatic           Environmental characteristics   Climatic         Depending temperature max.         25 °C           Operating temperature max.         25 °C         Conformity           Product standard         DIN En 61076-2-101 (M12), DIN En 81076-2-114 (M8)         Installation Cable           Cable right         Bick         Colspan="2">Conformity           Type of Certificate		30 V
Diagnostics           Status indication LED         no           Device protection Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Macraing group (IEC 60084-1)         1           Mechanical datal Material data         Nickeled           Coating of fifting         nickele plated           Material grasket         FKM           Locking material         Zinc die-casting           Material screw connocion         Zinc die-casting           Mechanical datal Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics [Climatic         Coperating temperature min.         -25 °C           Operating temperature min.         -25 °C         Coperating 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         Linch and a condition temperature range         Linch and a condition temper	Operating voltage DC (UL-listed)	30 V
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 80864.1) 1  Coating locking Nickeled  Coating of fitting nickel plated  Material group of fitting nickel plated  Material grown onestion Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection Zinc die-casting  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Poperating temperature min25 °C  Operating temperature may. 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 intellication   Cable  Cable intellication   Cable  Cable intellication   Cutting   Cutting   Cutting    Material jacket Color Diack  Type of Cortificate UPRus  Amount stranding 1 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigh 34.76 g/m  Material jacket PVC  Shore hardness jacket BS 15 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (scheath) PVC  Amount straindier insulation PVC  Amount wires 4  4  4  4 Outer diameter lorlarance core insulation 1,25 mm  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 1,25 mm	Current operating per contact max.	4 A
Device protection   Electrical         Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voitage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Image: Coating of Kiting           Coating locking         Nickeled           Coating of Kiting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material Serve vonnection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature range         depending on cable quality           Conformity         Product standard           Installation   Cable         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         611           Cable identification         611           Cable Color         black           Type of Certificate         oURIN           Amount stranding         1           Stranding         4 wites twisted <t< td=""><td>Diagnostics</td><td></td></t<>	Diagnostics	
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 litting         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           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         611           Cable Type         1         1           Jacket Color         black           Type of Conflicate         cURUs           Amount stranding         1           Stranding         4 wires twisted	Status indication LED	no
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data           Coating of litting         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           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         611           Cable Type         1         1           Jacket Color         black           Type of Conflicate         cURUs           Amount stranding         1           Stranding         4 wires twisted	Device protection   Electrical	
Pollution Degree         3           Rated surge voitage         1,5 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Coating of litting         nickel plated           Material serw connection         Zinc die-casting           Material serw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Environmental characteristics   Climatic         Departing temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature maye         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         611           Cable identification         611         Cable identification         611           Cable identification         614         Cab		incerted screwed
Rate of surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data [Material data         Nickeled           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           Environmental Characteristics   Climatic         Street           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification           Cable identification         611           Cable identification         611           Tables of Cofor         black           Type of Certificate         cuPrus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         34,76 g/m <td< td=""><td><u> </u></td><td>· · · · · · · · · · · · · · · · · · ·</td></td<>	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Material group (IEC 60664-1)         I           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         Mounting method           Mechanical data   Mounting data         Insertied, 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         Vontomity         Total control of the standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable dentification         611           Cable indication         611         Cable indication           Cable indication         611         Cable indication           Type of Certificate         cURus           Amount stranding         1           Viera arrangement         brown, black, blue, white           Cable weight         94,76 g/m           Material jacket		
Mechanical data   Material data           Coating locking         Nickeled           Coating of litting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           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         611           Cable type         1         1           Jacket Color         black           Type of Certificate         cURsus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigh         34.76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A		1,0 KY
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 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         611           Cable identification         611           Cable (don'time temperature may.         1           Jacket Color         black           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		·
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           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         611           Cable identification         611         Cable identification         611           Cable of Certificate         cURUS         CURUS           Amount stranding         1         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		
Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           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         611           Cable Identification         611           Cable Vipe         1           Jacket Color         black           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-f		
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 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 611  Cable Type 1 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmum-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Amount wires 4  Just Giameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity  Product standard DIN En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 611  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigh 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) leaf-tee, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 611  Cable Type 1  Jacket Color black  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 + 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  Outer diameter tolerance core insulation ± 5 %  Outer diameter tolerance core insulation ± 5 %	Locking material	
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 611  Cable Type 1  Jacket Color black  Type 0 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 + S 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 ± 5 %	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 611  Cable Type 1  Jacket Color black  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 ± 5 %  Outer diameter tolerance core insulation ± 5 %	Mechanical data   Mounting data	
Operating 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  Cable identification 611 Cable Type 1 Jacket Color black Type of Certificate 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) Uead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) 2 ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.  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 611  Cable Type 1  Jacket Color black  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  Material wire insulation PVC  Amount wires 4  Outer diameter sheath) ± 5 %  Material wire insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 611  Cable Type 1  Jacket Color black  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) 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 %		
Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         611           Cable Type         1           Jacket Color         black           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 min.	-25 °C
Product standard   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)		
Installation   Cable       Cable identification     611       Cable Type     1       Jacket Color     black       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
Installation   Cable       Cable identification     611       Cable Type     1       Jacket Color     black       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	85 °C
Cable identification 611  Cable Type 1  Jacket Color black 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  Conformity	85 °C depending on cable quality
Cable Type         1           Jacket Color         black           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  Conformity  Product standard	85 °C depending on cable quality
Jacket Color black 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 ± 5 %	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  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 ± 5 %	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)  611
Amount stranding  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  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)  611
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  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)  611  1  black
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  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)  611 1 black cURus
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  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)  611  1  black  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 %	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)  611 1 black 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 %	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	85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  611  1  black  cURus  1  4 wires twisted  brown, black, blue, white
Freedom from ingredients (jacket)  Outer-diameter (jacket)  A,8 mm  Tolerance outer diameter (sheath)  E 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  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  611 1 black 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 %	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  Cable weigth  Material jacket	85 °C depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  611 1 black 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 %	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  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)  611 1 black 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 %	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  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)  611  1  black  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 %	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  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)  611  1  black  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 %	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  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)  611  1  black  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 %	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  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)  611  1  black  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
	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  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)  611  1  black  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
Onore naturaless wite insulation 45 ± 5 Store 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  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)  611  1  black  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
	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  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 tolerance core insulation	85 °C  depending on cable quality  DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  611  1  black  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  ± 5 %

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: 2024-04-19



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
UV resistance	DIN EN ISO 4892-2 A
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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter