

## M8 male 0° / M12 female 0° A-cod.

PVC 3x0.25 bk UL/CSA 15m

Male straight - female straight

M8 - M12, 3-pole

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

Further cable lengths on request.

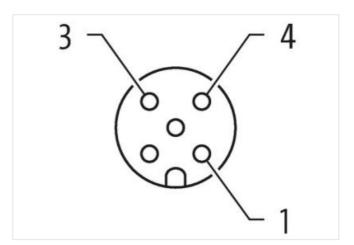
Plastic housings with good resistance against chemicals and oils.

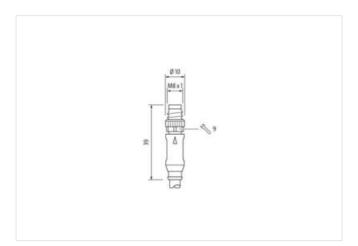
The resistance to aggressive media should be individually tested for your application. Further details on request.

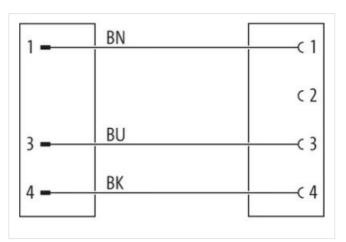
## **Link to Product**

## Illustration



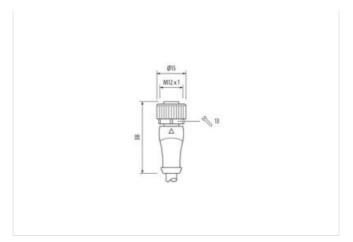


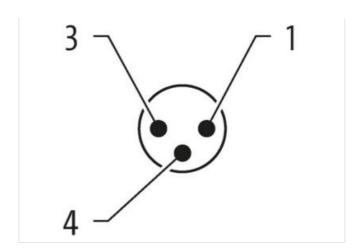






stay connected





Product may differ from Image











Cable length	15 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
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Electrical data   Supply         So V           Operating voltage AC max.         50 V           Operating voltage AC (IU-listed)         30 V           Operating voltage DC (IU-listed)         30 V           Operating voltage DC (IU-listed)         30 V           Operating voltage DC (IU-listed)         30 V           Degree of protection (EN IEC 60529)         IP65, IP67, IP68, IP68 K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Ratied surge voltage         1,5 kV           Macerial group (IEC 60664+1)         I           Mechanical data   Material data         Nickeled           Material pasket         FMM           Material pasket         FMM           Mechanical data   Mounting data         YUR           Locking material         Zero dis-casting           Mechanical data   Mounting data         VUR           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Cerc description   Climatic           Operating temperature minx.         25 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures f	ETIM-5.0	EC001855
CTIN	customs tariff number	85444290
Potential youlsage AC max.	GTIN	4048879124034
Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage DC max.         40 V           Operating voltage DC (UL-stade)         30 V           Operating voltage DC (UL-stade)         30 V           Device procedion [Encrical         V           Degree of protection [Encrical         V           Degree of protection (Encrical         V           Publish Degree of protection (Encrical         V           Pollution Degree         1958, IP67, IP68, IP68K           Inability (Control of Control of Contr	Packaging unit	1
Operating voltage DC max.         69 V           Operating voltage AC (UL listed)         30 V           Operating voltage AC (UL listed)         30 V           Operating voltage AC (UL listed)         30 V           Operating voltage per contact max.         4 A           Degree of protection (EN IEC 60529)         IP68, IP67, IP68, IP68K           Additional condition protection degree         15 NV           Pollution Degree         3           Rated surge voltage         1,5 NV           Material group (EC 6064-1)         1           Machanical Statin Material data         V           Coating locking         Nickeled           Material possing         PUR           Material possing         PUR           Mounting agsister         FNM           Mechanical data I Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature max.           Operating temperature max.         45 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain relef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Product standar	Electrical data   Supply	
Operating voltage DC max.         69 V           Operating voltage AC (UL listed)         30 V           Operating voltage AC (UL listed)         30 V           Operating voltage AC (UL listed)         30 V           Operating voltage per contact max.         4 A           Degree of protection (EN IEC 60529)         IP68, IP67, IP68, IP68K           Additional condition protection degree         15 NV           Pollution Degree         3           Rated surge voltage         1,5 NV           Material group (EC 6064-1)         1           Machanical Statin Material data         V           Coating locking         Nickeled           Material possing         PUR           Material possing         PUR           Mounting agsister         FNM           Mechanical data I Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature max.           Operating temperature max.         45 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain relef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Conformity         Product standar	Operating voltage AC max.	50 V
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Device protection   Electrical         Begins of protection (EN IEC 60529)           Additional condition protection degree         inserted, serveed           Pollution Degree         3           Rated surge voltage         1.5 kV           Meternal group (IEC 60664-1)         1           Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Material gasket         FKM           Material problem         PUR           Locking material         Zin dis-easting           Mechanical data   Mounting data         PUR           Murring method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Note on strain relief         Protect t	<u> </u>	60 V
Operating voltage DC (UL listed)         36 V           Current operating per contact max.         4 A           Degree of protection (EN IEC 60529)         IP65, IP67, IP68, IP66K           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60641)         I           Mechanical data   Material data         Michael General data   Material data   Material data   Material data   Material data   Material pasket         FKM           Mechanical data   Mounting data         Znc die casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature mix.           Operating temperature mix.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range depending on cable quality           Important installation notes           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending rocks.           Cable identification   Cable Color         Diack           Cable identification   Callificate         Climaterial (Mixing) DIN EN 61076-2-114 (MI2), DIN EN 61076-2-114 (MB)           Installation   Cac		
Current operating per contact max.  Device protection   Electrical  Degree of protection (EN IEC 60582)   IP65, IP67, IP68, IP66K   Additional condition protection degree   Inserted, screwed  Pollution Degree   3 Raded surge voltage   1,5 kW   Material group (IEC 60664-1)   I  Mechanical data Material data  Coating looking   Nickeled   Material gasket   FKM   Multerial housing   PUR   Locking material   Zinc de-casting   Mechanical data   Mounting data   Mounting method   Inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Environmental characteristics   Climatic   Degrating temperature min.   25 °C   Operating temperature max.   85 °C   Additional contino temperature range   degending on cabite quality   Important installation notes  Note on tarian relief   Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cabite lies.  Afterion: Cheeve the permissible heading radii when laying cables, as the IP protection class can be ordargered by excessive bending forces.  Conformity  Product standard   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable   Cable identification   610   Cable identification   610   Cable identification   51   Cable identification   52   Cable identification   53   Cable identification   54   Cable identification   54	· · · · · · · · · · · · · · · · · · ·	30 V
Device protection   Electrical           Degree of protection (EN IEC 60529)         IP65, IP67, IP68, IP66K           Additional condition protection degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60564-1)         1           Mechanical data   Material data         Casting Docking           Material glocking         Nickeled           Material pasket         FKM           Material pasket         FKM           Mechanical data   Mounting data         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         PUR           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating institution totes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Contornity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Institution   Cable         Since Color         Since Color           Type of Certificate         UPws         UPws           Cable identification   Since A         <		
Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60684-1) 1  Mechanical data   Material data  Cating locking Repeature PRM Material housing PUR Locking material Zinc de-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climato  Environmental characteristics   Climato  Coperating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relef Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Altention: Observe the permisshie bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product slandard In Selection In		
Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60684-1) 1  Mechanical data   Material data  Cating locking Repeature PRM Material housing PUR Locking material Zinc de-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climato  Environmental characteristics   Climato  Coperating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relef Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Altention: Observe the permisshie bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product slandard In Selection In	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Pollution Degree         3           Rated surge voitage         1,5 kV           Material group (EC 80684-1)         1           Mechanical data   Material data         Voice   Material gasket   FKM   Material gasket   FKM   Material gasket   PUR		
Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Nickeled           Material gasket         FKM           Material pasket         FKM           Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Wechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Poperating temperature min.         -25 °C           Operating temperature man.         -25 °C         Comparity           Vinoporatin installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on brain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         610           Cable identification         610         Cable identification         610		· · · · · · · · · · · · · · · · · · ·
Material group (IEC 60664-1)         I           Mechanical data   Material data           Coating locking         Nickeled           Material gasket         FKM           Material pasket         PCM           Locking material         Zon die-casting           Mechanical data   Mounting data           Mechanical data   Mounting data           Mechanical data   Mounting data           Environmental characteristics   Climatic           Operating temperature min.         25 °C           Operating temperature mane.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes           Note on bardian radius         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Aftention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         To reduct standard         Bin En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         610           Cable identification         610           Cable identification         610           Cab		1,5 kV
Mechanical data   Material data         Nickeled           Material gasket         FKM           Material saket         FKM           Material souring         PIR           Locking material         Zinc die-casting           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           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable Type         1           Jacket Color         black           Invalidation         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         29.37 g/m           Material jacket         PVC		1
Coating locking         Nickeled           Material pasket         FKM           Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Inserted, screwed, Shaking protection         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature mane.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         610           Cable identification         610         Cable identification         610           Cable identification         1         1           Stranding         1         1           Stranding         1<		
Material gasket FKM Material housing PUR Locking material Cocking material Locking material Locking material Locking material Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  As °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 610  Cable identification 610  Cable identification UBlack Type of Certificate UBrus Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, Blue Cable weight 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 1ead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) 25 %  Material wire insulation PVC  Attention: Salation (special content insulation PVC		Nickeled
Material housing         PUR           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Use of Comparing temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         610           Cable identification         610         Cable identification         610           Cable (contribute)         1         Cable (contribute)         1           Type of Certificate         cURus         Currentificate         CURus           Amount stranding         1         Stranding         3 wires twisted           wire arrangement         brown, black, blue         Cable weigh         29.37 g/m		
Locking material         Zinc die-casting           Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Environmental perparture min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         610           Cable identification         610         610           Cable Type of Certificate         1         610           Amount stranding         1         610           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         92,3 °g/m           Material jacket         92	Material housing	
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           Important installation notes         Vote on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Vote of standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         610           Cable identification         610         Cable identification           Cable identification         610         Cable identification           Cable identification         1         1           Stranding         1         1           Stranding         3 wires twisted         1           Wire arrangement         brown, black, blue           Cable weigth         29,37 gm           Material jacket         PVC           Material jacket         9VC           Amount wire seed from ing	Locking material	Zinc die-casting
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           Important installation notes         Vote on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Vote of standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         610           Cable identification         610         Cable identification           Cable identification         610         Cable identification           Cable identification         1         1           Stranding         1         1           Stranding         3 wires twisted         1           Wire arrangement         brown, black, blue           Cable weigth         29,37 gm           Material jacket         PVC           Material jacket         9VC           Amount wire seed from ing	· ·	,
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Froduct standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         610           Cable identification         610           Cable identification         black           Cable of Certificate         CURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 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)         4,5 mm           T		inserted, screwed. Shaking protection
Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Installation   Cable           Cable identification         610           Cable identification         610           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         29,37 g/m           Material jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         ± 5 %           Amount wires         3           Outer diameter insulation         PVC           Amount wires         3	-	
Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         610           Cable identification         610           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         29.37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4.5 mm           Tolerance outer (diameter (sheath)         ± 5 %           Auterial wire insulation         PVC           Amount wires<	·	05.00
Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 610  Cable identification 510  Cable (Color black 7ype 1 1  Jacket Color black 7ype of Certificate cuFision 3 wires twisted 4 virie arrangement 510  Formal brown, black, blue 52,37 g/m  Material jacket 9VC  Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm  Meterial giacket) 4.5 mm  Meterial wire insulation 9VC  Amount wires 3 3  Outer diameter insulation 1,25 mm		
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard           Binstallation   Cable         BIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Cable identification         610           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4,5 mm           Outer-diameter (jacket)         4,5 mm           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm	<u> </u>	
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 610  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm		depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 610  Cable Type 1  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weighh 29,37 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm	Important installation notes	
endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 610  Cable Type 1 Jacket Color black  Type of Certificate cURus  Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm	Note on strain relief	,
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           Cable identification         610           Cable Type         1           Jacket Color         black           Type of Certificate         CURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm	Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable           Cable identification         610           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm	Conformity	
Cable identification         610           Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type         1           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm	Installation   Cable	
Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,37 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm	Cable identification	610
Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,37 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm	Cable Type	1
Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm	Jacket Color	black
Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm	Type of Certificate	cURus
wire arrangement brown, black, blue  Cable weigth 29,37 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm	Amount stranding	1
Cable weigth 29,37 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm	Stranding	3 wires twisted
Material jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm	wire arrangement	brown, black, blue
Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm	Cable weigth	29,37 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  A,5 mm  Tolerance outer diameter (sheath)  E 5 %  Material wire insulation  PVC  Amount wires  3  Outer diameter insulation  1,25 mm	Material jacket	PVC
Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation     PVC       Amount wires     3       Outer diameter insulation     1,25 mm	Outer-diameter (jacket)	4,5 mm
Amount wires 3 Outer diameter insulation 1,25 mm	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm	Material wire insulation	PVC
<u> </u>	Amount wires	3
Outer diameter tolerance core insulation ± 5 %	Outer diameter insulation	1,25 mm
	Outer diameter tolerance core insulation	±5%



stay connected

Shore hardness wire insulation	45 ± 5 Shore D
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
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	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	UL 1581 § 1090   IEC 60332-2-2   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