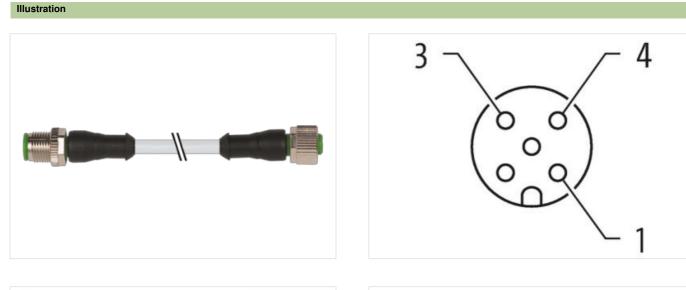


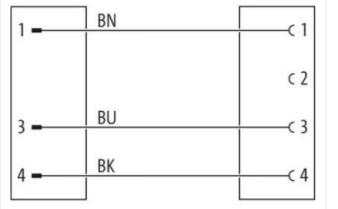
## M12 male 0° / M12 female 0° A-cod.

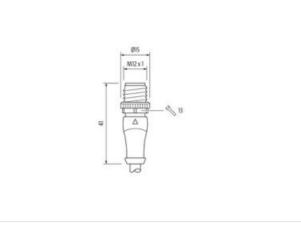
PUR 3x0.34 gy UL/CSA+drag ch. 0.3m

Male straight – female straight M12 – M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) 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. Further cable lengths on request.

## Link to Product

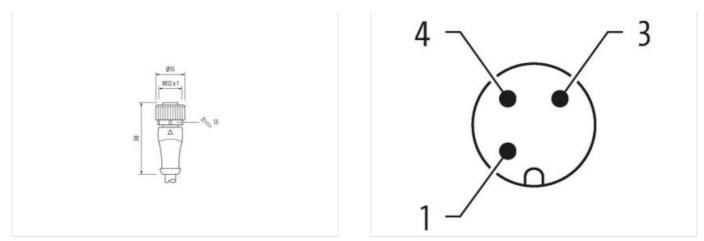






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19





Product may differ from Image



Cable length	0,3 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	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290

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: 2024-05-19



Electical data   Supply         280 V           Operating voltage DG max.         280 V           Operating voltage DG (UL-listed)         30 V           Derent operating procender max.         4 A           Installation   Connection         Veloce proceeding   Electrical             Device proceeding feedering         anerend, serveed           Patient and score voltage DG (UL-listed)         3           Material goodfion protection degree         inserend, serveed           Patient and score voltage DG (UL Store A)         1           Material goodfion protection degree         3           Material conde voltage DG (UL Store A)         1           Material cond for to to store (VE GG CA)         1	GTIN	4048879186087
Depresing voltage AC max.250 VOperating voltage AC max.250 VOperating voltage AC (UL steed)30 VOperating voltage AC (UL steed)30 VConvert operating voltage AC (UL steed)30 VInstallation I Connection4 AInstallation I Connection4 AInstallation I Connection Operating voltage AC (UL steed)30 VMounting softM12 x 1Device protection I Electricalinstrate, scewardAddicial condition protection degreeinstrate, scewardAddicial condition protection degree3Allational Condition protection1Mechanical data   Material data2Voltage Condition Condition1Mechanical data   Material data2Voltage Condition Condition2Mechanical data   Mounting data2Voltage Condition Condition2Mechanical data   Mounting data2Voltage Condition Emperature min.25 °COperating temperature min.25 °COperat	Packaging unit	1
Operating voltage DC max.         260 Y           Operating voltage AC (UL-lated)         30 V           Operating voltage AC (UL-lated)         30 V           Sturent operating per contat max.         4 A           Installation I Connection         M12 x 1           Perice protection I Electrical         M12 x 1           Perice protection I Electrical         M12 x 1           Material group (UE const.)         1           Mechanical data   Material data         molecasting           Material group (UE const.)         1           Material data   Material data         molecasting           Material data   Material data         molecasting           Material data   Material data         Zinc die-casting           Material group (UE const.)         2/trac die-casting           Material constrol   Const.         2/trac die-casting           Material constrol   Const.         2/trac die-casting           Mounting multiple         insertod, strawdy, Shaking protoction           Envinometal chacotristion   C	Electrical data   Supply	
Operating voltage DC max.         260 Y           Operating voltage AC (UL-lated)         30 V           Operating voltage AC (UL-lated)         30 V           Sturent operating per contat max.         4 A           Installation I Connection         M12 x 1           Perice protection I Electrical         M12 x 1           Perice protection I Electrical         M12 x 1           Material group (UE const.)         1           Mechanical data   Material data         molecasting           Material group (UE const.)         1           Material data   Material data         molecasting           Material data   Material data         molecasting           Material data   Material data         Zinc die-casting           Material group (UE const.)         2/trac die-casting           Material constrol   Const.         2/trac die-casting           Material constrol   Const.         2/trac die-casting           Mounting multiple         insertod, strawdy, Shaking protoction           Envinometal chacotristion   C	Operating voltage AC max.	250 V
Operating voltage AC (UL listed)         30 V           Operating voltage AC (UL-listed)         30 V           Unret operating voltage AC (UL-listed)         30 V           Unret operating voltage AC (UL-listed)         30 V           Unret operating voltage AC (UL-listed)         4 A           Relation (Connection         M12 x 1           Device protection (Electrical         Instantial condition protection degree           Additional condition protection degree         inserted, screwed           Material grave (UE SteB64-1)         1           Mechanical data   Material data         Conting of Himg           Conting of Himg         rokkel plated           Conting of Himg         roke casting           Mechanical data   Moundig data         roke casting           Mechanical data   Moundig data         roke casting           Mechanical data   Moundig dat		
Operating voltage DC (UL-Islen)         30 V           Durrent operating per contact max.         4 A           Installation (Contomection         Maximum           Wourting set         M12 x 1           Device protection   Electrical         Maximum           Additional continon protection degree         3           Palue outage         2,5 kV           Material group (IEC 6064-1)         I           Machanization (IEC 6064-1)         Insorted, screwed, Shaking protection           Machanization (IEC 6064-1)         Zinc die-casting           Machanicon tompreture max.         45 °C		
Current operating per contact max.         4 A           Institution   Connection         Mill 2 x 1           Device protection   Electrical         Mill 2 x 1           Device protection   Electrical         Serverol           Additional condition protection degree         Inserted, screwed           Phalad surge voltage         3           Rated surge voltage         2.5 kV           Material group (IEC 60684-1)         I           Machanical data  Material data         Conting of Iffing           Conting of Iffing         nickel plated           Conting of Iffing         nickel plated           Control of Iffing         nickel plated           Operating temporature max.         25 °C           Operating temporature max.         25 °C           Operating temporature max.         25 °C           Note on strain role         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending facts           Conformity         Electrical class can b		
Instalation   Connection           Mounting set         N12 x 1           Device protection   Electrical         Mailand accontilion protection degree           Additional contilion protection degree         3           Rated surge voltage         2.5 kV           Memeral group (ECE 6064-1)         I           Mechanical data   Material data         Incele-Continue           Conting doking         Nickel plated           Conting doking         Nickel plated           Conting doking         Continue doking           Material screew connection         Zine die-casting           Poperating temperature main.         25 °C           Opperating temperature max.         85 °C           Additional contifion temperature range         depending on cable quality           Mounting radiu         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable loss.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable loss.           Date tradius tem bending radii when lav		
Mouning set         M12 x 1           Device protection   Electrica           Additional condition protection degree         iserted, screwed           Additional condition protection degree         iserted, screwed           Rand surge voltage         2.5 kV           Mederal group (EG 6064-1)         I           Internation of the protection degree         iserted, screwed           Methanical dial [Material data         Internation degree           Contant doking material         Zinc die caating           Material group (EG 6064-1)         Internation degree           Material grou		
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Relaf surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data         Material data           Coating to diffing         nickel plated           Coating to diffing         nickel plated           Coating to diffing         nickel plated           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Protext de, screwed, Shaking protection         Environmental characteristics   Climatic           Environmental characteristics   Climatic         Goperating temperature max.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Environmental characteristics   Climatic           Contornity         Contornity         Environmental characteristic           Product stand relief         DIN EN 61076-2-101 (M12)           Installation   Cable         Zind           Colier Trangement         Zind           Diale Enfrastion         Zindefeerification	Mounting set	M12 x 1
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Relaf surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data         Material data           Coating to diffing         nickel plated           Coating to diffing         nickel plated           Coating to diffing         nickel plated           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Protext de, screwed, Shaking protection         Environmental characteristics   Climatic           Environmental characteristics   Climatic         Goperating temperature max.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Environmental characteristics   Climatic           Contornity         Contornity         Environmental characteristic           Product stand relief         DIN EN 61076-2-101 (M12)           Installation   Cable         Zind           Colier Trangement         Zind           Diale Enfrastion         Zindefeerification	Device protection   Electrical	
Pailulan Dagrae         3           Ratad surge voltage         2.5 kV           Material group (ICE 60664 - 1)         1           Machanical data   Material data         Coating for litting         Nickeled           Coating of litting         Nickeled         Coating for litting         Nickeled           Coating of litting         Nickeled         Coating for litting         Nickeled           Coating of litting         Nickeled         Coating for litting         Nickeled           Material screw connection         Zinc die-casting         Machanical data   Mounting data         Machanical data   Mounting data         Sinc die-casting           Machanical data   Mounting data         Sinc die-casting of die-casting         Sinc die-casting         Sinc die-casting           Machanical data   fortune max         85 fC         Coating tomporature max.         85 fC         Coating tomporature max.         85 fC           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection dass can be endangered by excessive bending loces.         Contomity           Product standard         DIN EN 61076-2-101 (M12)         Installation   Cable         Cable forting         3           Cable forting         3         Since harding loces.         Cable forting         Since harding         3 <td>· · ·</td> <td>inserted, screwed</td>	· · ·	inserted, screwed
Rated surge voltage         2,5 kV           Material group (EC 60684-1)         I           Mechanical data   Material data         Coating locking           Coating of titing         nickel plated           Coating of titing         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inc die-casting           Mechanical data   Mounting data         Inc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.           Operating temperature max.         85 °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 sharin relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Coloristication         233           Cable identification         233           Cable identification         233           Cable identification         1           Stranding         3 wises twisted           Wise twisted         92.7 g/m </td <td>· · ·</td> <td>-</td>	· · ·	-
Material group (IEC 60664-1) I Mechanical data   Material data Coating locking Nickeled Coating of Mitry Nickeled Coating Coat		2.5 kV
Mechanical data   Material data           Cacating of Itting         Nickeled           Cading of Itting         nickel plated           Cocating and Itting         Zine die-casting           Material screw connection         Zine die-casting           Mounling mathod         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Operating temperature min.         -28 °C           Operating temperature rans.         85 °C           Additional condition temperature rans.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endargared by accessive bending tracit when laying cables, as the IP protection class can be endargared by accessive bending radii when laying cables, as the IP protection class can be endargared by accessive bending radii when laying cables, as the IP protection class can be endargared by accessive bending radii when laying cables, as the IP protection class can be endargared by accessive bending radii when laying cables, as the IP protection class can be endargared by accessive bending radii when laying cables, as the IP protection class can be endargared by accessive bending radii when l		
Coating locking         Nickeled           Coating of Hiting         nickel plated           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Material serve connection         inserted, screwed, Shaking protection           Environmental characteristics [ Climatic         Direction (Stremmental characteristics [ Climatic           Operating temperature max.         85 °C           Operating temperature may.         65 °C           Additional condition temperature mage         depending on cable quality           Importal installation notes         Material screwe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         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.           Colormity         Product standard         Dir Ke 61076-2-101 (M12)           Installation         233           Cable Type         3           Stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         2		
Caating of fitting         nickel plated           Locking material         Zinc die-casing           Material screw connection         Zinc die-casing           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contemity         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.           Contemity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Cable of pipe         3           Cable identification         233           Cable identification         233           Cable identificate         CuBus           Arround stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         29.7 pr	·	Nickeled
Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Context           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain rollef         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.           Contormity         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.           Cottormity         Installation   Cable           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         233           Cable identification         233           Cable identification         233           Cable identification         2,7 g/m           Material picket <td></td> <td></td>		
Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           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 strain relief         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.           Conformity         Intention: Obscrew the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Cable of the content of the conten		
Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         C           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 files.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.           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.           Contormity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.           Product standard         DIN EN 61076-2-101 (M12)           Installation Cable         Cable Tope           Cable Iope         Gale           Jacket Color         gray           Type of Certificate         CURu's           Anount stranding         1           Stranding         3 wires twisted           wires arangement         brown, black, blue           Cable right         P/UR           Shore har	8	
Muniting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on stain 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           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         233           Cable identification         233           Cable Identification         233           Cable Identification         233           Cable Identification         243           Stranding         1           Stranding         3 wires twisted           Muterial jacket         PUR           Cable weight         29.7 g/m           Material jacket         PUR           Store Andress jacket         90 ± 5 %           Freedom from ingredients (jacket)		
Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Mote on strain relief           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)           Installation   Cable         Cable Type           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Annount stranding         1           Stranding         swires twisted           wire arrangement         brown, black, blue           Cable weigth         29,7 g/m           Material jacket         PUR           Shore All regenerating (acket)         4,1 mm           Tolerance outer diameter (jacket)         4,5 %           Outer diameter (jacket)         4,5 %	· · ·	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         Important installation notes           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         Endentification           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Endentification           Cable identification         233           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire a rangement         brown, black, blue           Cable weigth         29,7 g/m           Material jacket         PUR           Store A         Store A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4,1 mm           Tolerance outer	-	······································
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 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         Protect standard           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         233           Cable identification         233           Cable Color         gray           Type of Certificate         cUBus           Annount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29.7 g/m           Material jacket         PUR           Store hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Annount		25 °C
Additional condition temperature range         depending on cable quality           Important Installation notes         Mote 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)           Installation   Cable         Za3           Cable identification         233           Cable Identification         233           Cable Identificate         CIRus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigh         29.7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3         Outer diameter (sheath)         ± 5 %           Outer diameter insulation         1,25 mm         Outer diameter tolerance core insulati		
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         Endeding radius           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         233           Cable forping         3           Locket Color         gray           Type of Certificate         cURus           Annount stranding         1           Stranding         swires twisted           Write strangement         bown, black, blue           Cable weigh         29.7 g/m           Material jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         4.1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material juckinon         PP           Annount wires         3           Outer diameter insulation         PP           Cable weigh         29.7 g/m		
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)           Installation   Cable         233           Cable identification         233           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Annount stranding         1           Stranding         3 wires twisted           Write arrangement         brown, black, blue           Cable weighth         29,7 g/m           Material jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4 5 %           Material jacket         9P           Annount wires         3           Outer diameter tolerance core 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)           Installation   Cable         Cable identification         233           Cable identification         233         Cable identification         233           Cable identification         233         Cable identification         233           Cable identificate         CURus         Current identification         Current identification           Type of Certificate         CURus         Current identification         Current identification         Current identification           Stranding         1         Stranding         1         Stranding		
Note on behalting faultis         endangered by excessive bending forces.           Conformity         Installation         DIN EN 61076-2-101 (M12)           Installation   Cable         233           Cable identification         233           Cable identification         233           Cable of Cori gray         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4,1 mm           Tolerance outer diameter (jacket)         PP           Amount wires         3           Outer diameter insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm	Note on strain relief	
Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         233           Cable identification         233           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm	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.
Installation   Cable           Cable identification         233           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter rolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Conformity	
Cable identification233Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %	Product standard	DIN EN 61076-2-101 (M12)
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Installation   Cable	
Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Cable identification	233
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %	Cable Type	3
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Jacket Color	gray
Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Type of Certificate	cURus
wire arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Amount stranding	1
Cable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Stranding	3 wires twisted
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	wire arrangement	brown, black, blue
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %	Cable weigth	29,7 g/m
Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       4,1 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       3         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %	Material jacket	-
Outer-diameter (jacket)       4,1 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       3         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %	Shore hardness jacket	
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       3         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %	Freedom from ingredients (jacket)	-
Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %	Outer-diameter (jacket)	
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Tolerance outer diameter (sheath)	
Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %	Material wire insulation	
Outer diameter tolerance core insulation ±5%		
	Outer diameter insulation	
Shore hardness wire insulation /U ± 5 Shore D		
	Shore hardness wire insulation	(0 ± 5 Shote D

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Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090   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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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