

## M12 male 0° / M8 female 90° A-cod.

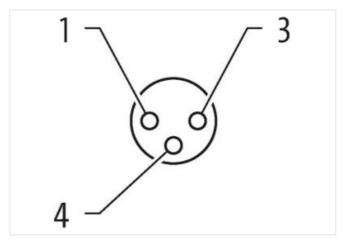
PUR 3x0.25 bk UL/CSA+drag ch. 6.5m

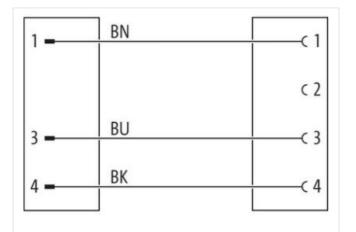
Male straight – female 90° M12 – M8, 3-pole Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

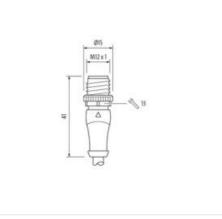
## Link to Product





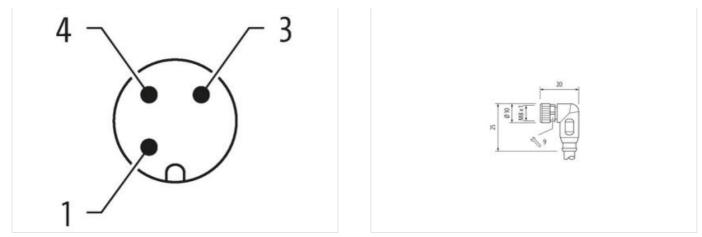






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20





Product may differ from Image



Cable length	6,5 m
Side 1	
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 Ø)	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
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	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP67
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

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CASAS 12.0         27000311           ETMA-6.0         EC001035           Castors tariff runber         6544290           CTN         455800055856           Packaging unit         1           Electrical data [Supply         50 V           Operating voltage AC max.         4 A           Davice protoction I federical         4 A           Davice protoction I federical Max.         4 A           Davice protoction I federical Max.         4 A           Davice protoction I federical Max.         5 V           Outage protoction I federical Max.         4 A           Davice protoction I federical Max.         5 V           Outage protoction I federical Max.         5 V           Cataling toking         Nokeled	ECLASS-11.1	27060311
ETM 5 0         EC001985           customs tainf number         8544290           GTN         405600056646           Packaging unit         1           Electrical data [Supply)         Electrical data [Supply)           Operating voltage AC max.         50 V           Operating voltage AC max.         4 A           Device protection   Electrical         30 V           Operating voltage AC max.         4 A           Device protection   Electrical         assetted. sorewed           Additional doctific protection degree         3           Ratid argun voltage         1.5 KV           Machanical dota   Material dota         Collage Notice           Costing boding         Nickloid           Costing boding         Nickloid           Costing boding         Nickloid           Costing boding         Nickloid           Costing boding method         ineated. sorewed. Shaking protection           Material asset         Fore diage asset           Locking material         Zone decasting           Motional condide Nounnig data         So <sup>1</sup> C		
outlobs Start number         8444200           OT IN         405590956646           OT IN         405590956646           Perkaling unit         1           Electrical data [Supply            Operating voltage AC max.         50 V           Operating voltage AC max.         60 V           Operating voltage AC (LL-lested)         30 V           Current operating per contant max.         4 A           Device protection [Electrical         Addinical conting protection deprese           Addinical conting protection deprese         3           Reads supp voltage AC (LL-lested)         3.V           Addinical conting protection deprese         3           Reads supp voltage AC (LL-lested)         3.V           Addinical conting protection deprese         3           Reads supp voltage AC         1.F           Mechanical datal [Material data         Copper alloy           Coating proteing         Neckedu           Coating proteing         Neckedu           Locking material         Zinc die casting           Mechanical data [Material conv commercion         Zinc die casting           Mechanical data [Material conv commercion         Zinc die casting           Mechanical data [Materini conv commercion         Zinc die casting<		
GTM     4059399305646       Packaging unit     1       Electrical call Supply        Operating voltage AC max.     50 V       Operating voltage AC max.     60 V       Operating voltage AC (LL-lated)     30 V       Device protection   Electrical     4 A       Device protection   Electrical     5 kV       Material group (IEC 6068-11)     1       Mechanical data (Indevina)     1 kV       Material group (IEC 6068-11)     1       Mechanical data (Indevina)     Adsignal group (IEC 6068-11)       Coating toking     Copper altry       Coating toking     Operating       Coating toking     Mechanical data (Indevina)       Coating toking     Neckeld       Coating toking     Neckeld       Coating toking     Indevina group       Material group tomoretion     Zinc die casting       Mechanical data (Mounting data)     Inserted. soerwed, Shaking protection       Environmental characteristics   Climatic     Group       Operating tomporture min.     25 °C       Operating tomporture mark     85 °C       Adstronal condition torp partitic kono disto group     Group   <		
Packaging unit         1           Electrical data [Supply         Image: Comparing voltage AG Max.         50 V           Operating voltage AG Max.         60 V         Operating voltage AG (LL-lasted)         30 V           Operating voltage AG (LL-lasted)         30 V         Operating voltage AG (LL-lasted)         30 V           Device protection [Electrical         Image: Comparing voltage AG (LL-lasted)         30 V         Operating voltage AG (LL-lasted)         S0 V           Device protection [Electrical         Image: Comparing voltage AG (LL-lasted)         S0 V         Operating voltage AG (LL-lasted)         S0 V           Device protection [Electrical         Image: Comparing voltage AG (LL-lasted)         S0 V         Operating voltage AG (LL-lasted)         S0 V           Device protection [Electrical         Image: Comparing voltage AG (LL-lasted)         S0 V         Operating voltage AG (LL-lasted)         S0 V           Control togere         3         S1 N         Material source voltage AG (LL-lasted)         S0 V         Operating voltage AG (LL-lasted)         S0 V		
Electrical data   Supply         Constrainty onlage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage AC (UL-listed)         30 V           Constrainty onlage aC (UL-listed)         30 V           Protection   Electrical         Inserted, acrewed           Politation Dagree onlast max.         4 A           Device protection   Electrical         Inserted, acrewed           Material gauge voltage         5 N/           Material gauge voltage         5 N/           Material gauge voltage         0 Coppor alloy           Casting locking         Coppor alloy           Casting locking         Coppor alloy           Casting locking         Code decasting           Material gaskiet         Product decasting           Material gaskiet         Product decasting           Mustrial acrew connection         Zins de-casting           Mustrial acrew connection         Zins de-casting           Mustrial acrew connection         Zins de-casting           Product transmature atrice, acrewed, Shaking protecton         Sins de-Casting		
Operating voltage AC nax.         50 V           Operating voltage AC (LL-lister)         30 V           Operating voltage AC (LL-lister)         30 V           Current operating per contact max.         4 A           Device oprected(DE Electrical            Additional condition protection degree         inserted, screwed           Public on Decide DE Electrical            Reade surge voltage         1, 8 V           Material group (EC 6666-1)         1           Material group (EC 6666-1)         1           Mechanical data [Material data            Casting notaring         Coperating voltage           Casting notaring         inclese] plated           Material group (EC 6666-1)         I.           Mechanical data [Material data         Coperating voltage           Casting notaring         inclese] plated           Material group (EC 6666-1)         I.           Locing material         Zine de-casting           Material screw onnection         Zine de-casting		
Operating voltage DC max         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         38 V           Carrent Operating per contact max.         4 A           Device protection   Electrical		
Operating voltage AC (UL island)         30 V           Operating voltage AC (UL island)         30 V           Corrent operating per contact max.         4 A           Device protection   Electrical         Inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Dagree         3           Rated surge voltage         1,5 kV           Material group (IEC 60684.1)         I           Mechanical data [ Material data         Copper alloy           Coating flocing         Copper alloy           Coating flocing         Nickeled           Coating flocing         Nickeled           Coating flocing         Zinc die casting           Metarial screw connection         Zinc die casting           Devining temper		
Operating voltage DC (UL-listed)         90 V           Current operating per contact max.         4 A           Device protection Electrical            Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1.5 V           Material group (IEC 60664-1)         1           Mechanical data [Material data         Coating hocing           Coating hocing         Nickeled           Coating hocing         Nickeled           Coating hocing         Zinc die-casting           Material gastert         FKM           Locking material         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Cooperating tomparature max.           Doparating tomparature max.         85 °C           Additional condition temparature range         depending on cable quality		
Current operating per contact max.         4 A           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Polution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60064 1)         I           Mechanical data [Material data         Costing housing           Coating flocing         Nickeled           Coating flocing         Nickeled           Coating flocing         Nickeled           Coating flocing         Nickeled           Coating flocing         Zinc die-casting           Material greaker         FKM           Locking material         Zinc die-casting           Material greaker connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material greaker         PKM           Locking matterial         Zinc die-casting           Material greaker         PKM           Locking material         Zinc die-casting           Material greaker         PKM           Locking material         Zinc die-casting		
Device protection   Electrical           Addition condition protection degree         inserted, screwed           Pollution Degree         3           Refer durge vortage         1,5 kV           Material group (EC 6064-1)         1           Mechanical data   Material data         Copper alloy           Coating housing         Copper alloy           Coating fousing         Copper alloy           Coating fousing         Copper alloy           Coating fousing         Nekkelod           Coating fousing         Tickle platod           Material gasket         FKM           Locking material         Zine die casting           Material subschaftsch (Dimatic         Forcommental characteristics (Dimatic           Deperating temperature main.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Force </td <td></td> <td></td>		
Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking group     Zinc die-casting       Material sorew connection     Zinc die-casting       Material sorew connection     Zinc die-casting       Mounting method     Inserted: screwed. Shaking protection       Environmetal characteristics [Climatic     Environmetal characteristics [Climatic       Coperating temperature max.     85 °C       Additional condition noters     Generating on cable quality       Important Installation notes     Attention: Cbeserve the permissible bending radii when skying cables, as the IP protection class can be andigered by soccassed bonding forces.       Conormity     Protect the connectors by suitable masures from machanical loads, e.g. by the usage of cable los.       Attention: Cbeserve the permissible bending radii when skying cables, as the IP protection class can be andigered by soccassed bonding forces.       Confor		4 A
Pollution Degree       3         Rated surge voltage       1.5 kV         Material group (16: 60664-1)       1         Mechanical data   Material data       Copper alloy         Coating forking       Copper alloy         Coating forking       Nickele Jaiaed         Material group (16: 60664-1)       I         Coating of fitting       nickele Jaiaed         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw termes       25 °C         Operating temperature max.       25 °C         Additional condition temperature max.       25 °C         Additional condition temperature max.       25 °C         Contomity       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 mate	Device protection   Electrical	
Rated surge voltage         1,5 kV           Material group (IEC 6068-1)         I           Mechanical data   Material data         Coating locking         Copper alley           Coating locking         Nickeled         Coating locking           Coating locking         Nickeled         Coating locking           Material gaset         FKM         Coating locking           Locking material         Zinc die-casting           Material gaset         FKM           Locking material         Zinc die-casting           Material gaset         FKM           Mounting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating 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           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         Materian: Chaser where permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conormity         Soc         Soc	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)       I         Mechanical data   Material data       Copper alloy         Coating looking       Nickeled         Coating looking       Nickeled         Coating looking       Nickeled         Coating looking       Nickeled         Coating looking       Rickel pated         Material gasket       FKM         Locking material       Zinc die casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature max.         Qperating temperature max.       85 °C         Additional condition temperature may.       85 °C         Additional condition temperature may.       85 °C         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 bending radius       Climating climatic climatic loads, e.g. by the usage of cable ties.         Note on bending radius       Din En 61076-2-101 (M12), Din En 61076-2-114 (M8)         Installation   Cable       Cable         Cable Type       3         Jacket Color       black         T	Pollution Degree	3
Mechanical data   Material data           Coating housing         Coppor alloy           Coating of titing         Nickel plated           Coating of titing         Nickel plated           Material gaskat         FKM           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Material serve connection         Zinc die-casting           Mounting material         Zinc die-casting           Mounting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.           Operating temperature min.         -25 °C           Operating temperature main.         45 °C           Additional condition temperature mage         depending on cable quality           Importal installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by occessive bending forces.           Contormity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Gable identification         630           Cable identification         630         Gable identification           Type of Certificate         cURus         Anount stranding           Anount stranding		1,5 kV
Coating locking         Copper alloy           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material gasket         FKM           Mounting material         Zinc die-casting           Material gasket         FKM           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Glimatic         Coperating temperature max.           Operating temperature max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         85 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.           Rote on strain relief         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable Type           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Strandring	Material group (IEC 60664-1)	
Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking matrial         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Minetial screw connection           Environmental characteristics   Climatic         Cooperating temperature min.           Operating temperature min.         -25 °C           Operating temperature may         depending on cable quality           Importal installation notes         Soft 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.           Note on strain relief         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Conomity           Product standard         G30           Cable dentification         630           Cable dentification         630               Cable dentification         630 </td <td>Mechanical data   Material data</td> <td></td>	Mechanical data   Material data	
Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inc die-casting           Mechanical data   Mounting data         Inc die-casting           Mechanical characteristics   Climatic         Coperating temperature main.           Operating temperature main.         -25 °C           Operating temperature main.         65 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on strain relief           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Note on bending radius         Attention: Observe the parmissible 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 ites.           Installation   Cable         Gabe identification           Cable identification         630           Cable identification         630           Cable identification         630           Cable identification         1 <td< td=""><td>Coating housing</td><td>Copper alloy</td></td<>	Coating housing	Copper alloy
Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Inserted, screwed, Shaking protection         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note 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), DIN EN 61076-2-114 (M8)           Installation Cable         Cable identification           Cable identification         630           Cable identification         630           Cable identificate         cJPuse           Amount stranding         1           Stranding         3 wires twisted           Wire arrangement         brown, black, blue           Cable weigh         26.4 g/m </td <td>Coating locking</td> <td>Nickeled</td>	Coating locking	Nickeled
Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         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           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 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.           Note on bending radius         Attention: Observe the permissible bending forces.           Conformity         Endore-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable tightification           Gabie trype         3           Jacket Color         black           Type of Certificate         cuRus           Amount stranding         1           Stranding	Coating of fitting	nickel plated
Material screw connection         Zinc die-casting           Mechanical data   Mounting data         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 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 ending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending radius           Installation   Cable         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification           G30         Cable identification           G30         Cable identification           G31         Cable identification           Type of Certificate         CURUs           Arrown stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue	Material gasket	FKM
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 may.         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.           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 inflication         630         Cable Type         3           Jacket Color         black         Cype of Certificate         cURus           Amount stranding         1         Stranding         Stranding         Stranding           Vire arrangement         brown, black, blue         Cable weigth         26,4 g/m           Material jacket         PUR         Shore A         Store A           Freedom from ingredients (jacket)         4,1 mm         Tolerance outer diameter (sheath)         4,5 %	Locking material	Zinc die-casting
Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Commental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Inserted screwed, Shaking protection grassing in the screwed 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         Protect standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable Type         3           Cable for Color         black         Cable Type           Type of Certificate         cURus         CuRus           Amount stranding         1         Stranding         Stranding           Stranding         3 wires twisted         Stranding         Gale Type           Cable weigth         26,4 g/m         Cable weigth         26,4 g/m           Material jacket         PUR         Store A         Store A	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic           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           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification           Cable Identification         630           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         26,4 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           Oute	Mechanical data   Mounting data	
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       Product standard         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       Cable identification         Cable identification       630         Cable Type       3         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weigth       26.4 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       4,1 mm         Tolerance outer diameter (sheath)       ± 5 %	Mounting method	inserted, screwed, Shaking protection
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 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         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       Cable identification         Cable Type       3         Jacket Color       black         Type of Certificate       cJRus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weigth       26,4 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	Environmental characteristics   Climatic	
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         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       Cable identification         Cable identification       630         Cable Type       3         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weigth       26.4 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 %	Operating temperature min.	-25 °C
Important installation notesNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %	Operating temperature max.	85 °C
Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableG30Cable identificationG30Cable identificationG30Cable ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %	Additional condition temperature range	depending on cable quality
Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableG30Cable identificationG30Cable identificationG30Cable ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %	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 forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         630           Cable identification         630         Cable identification         Gas           Jacket Color         black         Type of Certificate         cURus           Amount stranding         1         Stranding         3 wires twisted           wire arrangement         brown, black, blue         Cable weigth         26,4 g/m           Material jacket         PUR         Shore A         Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free         cur-free           Outer-diameter (jacket)         4,1 mm         Tolerance outer diameter (sheath)         ± 5 %	•	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
endangened by excessive bending incres.         Conformity         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       Cable identification       630         Cable identification       630       Cable identification       630         Cable Color       black       Type of Certificate       cURus         Amount stranding       1       Stranding       3 wires twisted         wire arrangement       brown, black, blue       Cable weigth       26,4 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       Cuter-diameter (jacket)       4,1 mm         Tolerance outer diameter (sheath)       ± 5 %	-	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial 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 %	-	endangered by excessive bending forces.
Installation   Cable       Cable identification     630       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 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)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %	Conformity	
Cable identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
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Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 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 %	Cable identification	630
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %	Cable Type	3
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 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 %	Jacket Color	black
Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 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 %	Type of Certificate	cURus
wire arrangement       brown, black, blue         Cable weigth       26,4 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 %	Amount stranding	1
Cable weigth26,4 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 %	Stranding	3 wires twisted
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 %	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 %		-
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %	Material jacket	PUR
Outer-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	Outer-diameter (jacket)	4,1 mm
Material wire insulation PP	Tolerance outer diameter (sheath)	±5%
	Material wire insulation	PP

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Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
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)	2,5 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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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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