

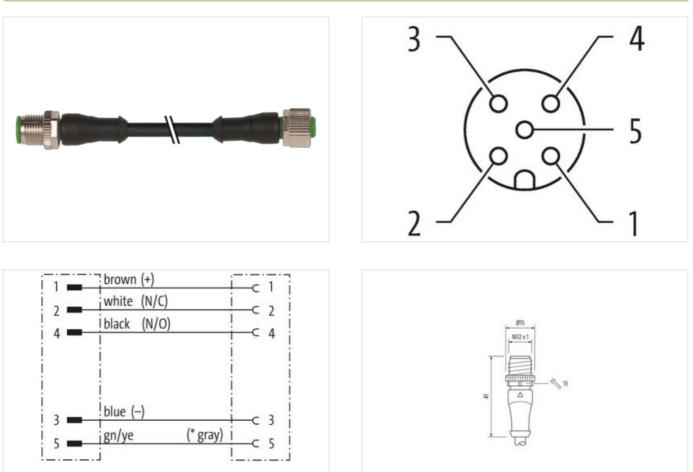
## M12 male 0° / M12 female 0° A-cod.

PUR 5x0.34 bk UL/CSA+drag ch. 32m

Male straight – female straight M12 – M12, 5-pole A-coded 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

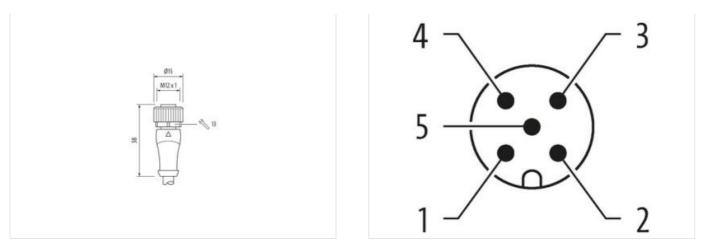




(\* for cable type 126, 732, 219, 619)

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: 2024-05-18





Product may differ from Image



Cable length	32 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
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
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 Ø)	10 mm
Cable outlet	straight
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311

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EQLASS 120 2704011   ETM 5.6 ECON185   Contors full number 6544280   GTN 40560901684   Processing unt 1   Electrical cital Supply Electrical cital Supply   Operating voltage AG max. 125 V   Operating voltage AG (UL-listed) 50 V   Control topolating per constant max. 4 A   Installation (Connection Mall 2 A 1   Device protection (Electrical) Polyce per constant (FNIC 60562-1)   Device protection (Electrical) 15 AV   Matterial group (EC 6068-1) 1.5 AV   Matterial group (EC 6068-1) 2.75 C   Conting (Elemen	ECLASS-11.1	27060311
austons starf number     8444280       CTN     405930041884       Packaging unit     1       Electrical data [Supply        Operating voltage AC max.     125 V       Operating voltage AC max.     125 V       Operating voltage AC (U. Istaed)     30 V       Corrent operation of Electrical     M12 × 1       Device protection [Electrical     M12 × 1       Device protection [Electrical     Installation of Connege       Polution Degree     3       Radio surgo voltage     1.5 V       Material group (EC 60564-1)     1       Hechanical data [Material data     Coding operating       Coding operating     Nickoled       Coding operating     Nickoled       Coding operating     Installation operating       Material group (EC 60564-1)     Installation operating	ECLASS-12.0	27060311
GTM     4065900041884       Packaging unit     1       Electrical acta   Supply        Operating voltage AC (IL-lased)     30 V       Cenerating voltage AC (IL-lased)     30 V       Correct operating voltage AC (IL-lased)     30 V       Device oprotection (EN IEC 60529)     IPS5, IPS7, IP68K       Additional condition protection degree     18 AV       Material aroup (IEC 60529)     IPS5, IPS7, IP68K       Additional condition protection degree     18 AV       Material aroup (IEC 60549)     1       Material aroup (IEC 60541)     1       Material arow connection     Zri	ETIM-5.0	EC001855
Packaging unit   1     Electrical data [Supply   Image: Comparing voltage AC max.   125 V     Operating voltage AC max.   125 V     Operating voltage AC max.   125 V     Operating voltage AC (UL-listed)   30 V     Operating voltage AC (UL-listed)   30 V     Current operating voltage AC (UL-listed)   30 V     Operating voltage AC (UL-listed)   10 V     Device protection [Electrical   Image: AC (UL-listed)     Device protection [Electrical   Image: AC (UL-listed)     Additional condition protection dogree   Inserted, scrowed     Polition Device   3     Read surge voltage   1.5 KV     Material scrow contencion   To the casting     Material scrow contencion <td>customs tariff number</td> <td>85444290</td>	customs tariff number	85444290
Electrical data   Supply       Operating voltage AC max.     125 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Contrant operating voltage AC (UL-listed)     30 V       Installion   Connection     4 A       Installion   Connection     Mort 1       Device protection   Electrical     Person (UL-listed)       Device protection [Electrical     Person (Electrical       Device protection (Electrical     Person (Electrical       Material store (Electrical     Person (Electrical       Device protection (Electrical     Person (Electrical       Devi	GTIN	4065909041864
Operating voltage AC nax.     126 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation Concection     Installation Concection       Device protection I Electrical     Electrical       Device protection I Electrical     Installation Concection       Device protection I Electrical     Installation Concection       Additional condition protection degree     installation Concection       Additional condition protection degree     installation Concection       Additional condition protection degree     1.8 KV       Material group (EC 60064-1)     1       Hechanical data I Material data     The device woltage       Coating locking     Nickled       Coating locking     Nickled       Coating locking     Nickled       Coating locking data     Zine devica sortweed, Shaking protection       Material screw connection     Zine devica sortweed, Shaking protection       Evolonmental characteristical Collonatic     Electrical       Operating temperature max.     26 °C       Operating temperature max.     26 °C	Packaging unit	1
Operating voltage DC max.     125 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Carrent operating per contact max.     4 A       Installation (Connection     Mouning set       Munching set     M12 x 1       Device protection   Electrical     Person protection   Electrical       Degree of protection (EN EC 605059)     IP65. IP67. IP68K       Additional condition protection degree     instruct, acreaded       Pollution Degree     3       Rated surge voltage     1,5 kV       Material store (EC 60505+)     I       Mechanical data   Material data     Conting tooking       Conting tooking     Nickeled       Polytic the connection     Zinc de-casting       Mechanical data   Materiai data	Electrical data   Supply	
Operating voltage DC max.     125 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Carrent operating per contact max.     4 A       Installation (Connection     Mouning set       Munching set     M12 x 1       Device protection   Electrical     Person protection   Electrical       Degree of protection (EN EC 605059)     IP65. IP67. IP68K       Additional condition protection degree     instruct, acreaded       Pollution Degree     3       Rated surge voltage     1,5 kV       Material store (EC 60505+)     I       Mechanical data   Material data     Conting tooking       Conting tooking     Nickeled       Polytic the connection     Zinc de-casting       Mechanical data   Materiai data	Operating voltage AC max	125 V
Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Concent operating erroritant max.     4 A       Installation   Connection     Monting set       Monting set     M12 x 1       Device protection [Electrical     Degree of protection (Electrical       Device protection (Electrical     Installation protection degree       Installation protection degree     inserted, screwed       Pollution Dagree     3       Rated surge voltage     1.5 kV       Material group (EC 606641)     1       Mechanical data   Material data     Coaling locking       Coaling locking     Nickel d       Coaling locking     Nickel d       Coaling locking     Nickel d       Muterial strew connection     Zine de-coaling       Methanical data   Mounting data     Mounting mathew       Mounting mathew max.     85 °C       Coperating temperature min.     25 °C       Operating temperature min.     25 °C       Operating methange mathew     Material action tomographic by encesive bending forces.       Contomity     Material concellon to sas can be endany error by suitable measures from me		
Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation [Concetion     Installation [Concetion]       Mounting set     M12 x 1       Device protection [Electrical     IP65, IP67, IP66K       Additional condition protection degree     3       Pack surge outgape     3.       Pack surge outgape     1.5 kV       Material group (IEC 60684-1)     1       Mechanical data   Material data     Coaling of Elife group (IEC 60684-1)       Coaling of Elife group (IEC 60684-1)     1       Mechanical data   Material data     Coaling of Elife group (IEC 60684-1)       Coaling of Elife group (IEC 60684-1)     1       Mechanical data   Material data     Coaling of Elife group (IEC 60684-1)       Coaling of Elife group (IEC 60684-1)     1       Mechanical data   Material data     Coaling of Elife group (IEC 60684-1)       Coaling of Elife group (IEC 60684-1)     1       Material screw connection     Zine die-cassing       Material screw connection     Zine die-cassing       Mounting material     Zine die-cassing       Mounting method     inserled, screwed, Straking protection		
Current operating per contact max.     4 A       Installation I Connection     Mounting eat     M12 x 1       Device protection [Electrical     Egree of protection (Env IEC 60529)     IP65, IP67, IP66K       Additional condition protection degree     inserted, screwed     Polluton Degree     3       Rated surge voltage     1,5 kV     Material group (IEC 60641)     I       Mechanical data   Material data     Coating locking     Nickeled     Coating locking       Coating locking     Nickeled     Coating of Itting     nickel plated     Coating locking       Coating locking     Nickeled     Inserted, screwed. Shaking protoction     Environmental characteristics   Climatic       Material screw connection     Zinc die-casting     Inserted, screwed. Shaking protoction     Environmental characteristics   Climatic       Environmental characteristics   Climatic     Environmental characteristics   Climatic     Approx     Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C     Additional condition notes     Attention: Cobarve the pomissible bording radii when laying cables, as the IP protection class can be entangered by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief		
Installation   Connection     Mull 2x 1       Device protection   Electrical     Energy of protection (EW IEC 60629)     IP65, IP67, IP66K       Additional condition protection degree     inserted, screwed     Polluan Dagree       Additional condition protection degree     inserted, screwed     Polluan Dagree       Rated surge vortage     1.5 KV       Material group (IEC 6064+1)     1       Mechanical data   Material data     Coating looking protection (EG 6064+1)       Coating looking material     Zinc die casting       Material screw connection     Zinc die casting       Material screw connection     Zinc die casting       Material screw connection     Zinc die casting       Mourting material     Kerewed, Shaking protection       Environmental characteristics   Climati     Operating temperature max.       Operating temperature max.     85 °C       Operating temperature max.     85 °C       Operating temperature max.     85 °C       Note on brain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lise.       Note on brain gradus     Attention: Observe the permissible bending radii when laying cables, as the IP protection dass can be endiad graded by cocosscib bending		
Mounting set     M12 x 1       Device protection [Exercisal     IPe5, IP67, IP66K       Additional condition protection degree     issented, screwed       Polution Degree     3       Rated surge voltage     1,5 kV       Material group (Ex 60664-1)     1       Mechanical data   Material data     Imested, screwed       Coating of fitting     nickel plated       Coating of fitting     inserted, screwed, Shaking protection       Everinemental characteristics   Climatic     Sro       Operating temperature min.     -25 *C       Quatificant condition temperature range     depending on cable quality       Important installation notes     Attention: Coserve the parmissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contomity     Protect the connectors by sutable measures from mechanical loads, e.g. by the usage of cable iss.		
Device protection   Electrical       Degree of protection (EN IEC 60529)     IP66, IP67, IP66K       Additional condition protection degree     inserted, serveed       Pollution Degree     3       Rated surge votage     1,5 kV       Material group (IEC 60664-1)     I       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating of fitting     nickele plated       Locking material     Zinc die-assing       Material serve connection     Zinc die-assing       Material serve connection     Zinc die-assing       Mouting method     inserted, serveved, Shaking protection       Environmental characteristics   Climatic     Coperating temperature min.       Operating temperature min.     -25 °C       Operating temperature may.     85 °C       Additional condition temperature may.     85 °C       Rote on bending radius		M10 v 1
Degree of protection (EN EC 60529)     IP65, IP67, IP66K       Additional condition protection degree     inserted, screwed       Pollution Degrees     3       Rated surge voltage     1, S K V       Material group (IEC 60664-1)     I       Mechanical data   Material data     Voltage       Coating locking material     Nickeled       Coating locking material     Zinc die-casting       Material screw comection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Compariting temperature main.       Operating temperature main.     25 °C       Operating temperature main.     85 °C       Additional condition tomperature range     depending on cable quality       Inporter installation notes     Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contormity     DIN EN 61076-2-101 (M12)	-	MT2 X T
Additional condition protection degree   isserted, screwed     Pollution Degree   3     Ratid surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Incele and surge voltage     Coating of fiting   Nickeled     Coating of fiting   nickel plated     Locking material   Zinc die-casting     Mechanical data   Mounting data   Ince die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature max.     Operating temperature max.   85 °C     Additional condition 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 breading forces.     Contomity   1     Product standard   DIN EN 61076-2-101 (M12)     Installon   Cable   3     Cable tinfication   635	•	
Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (EC 60684-1)   1     Mechanical data   Material data   Coating locking     Coating filting   nickel plated     Locking material   Zine die-casting     Material screw connection   Zine die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature max.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Note on stain relief     Note on stain 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 endangered by excessive bending forces.     Conformity   Installation (Cable     Cable Type   3     Jacket Color   black     Type of Certificate   cURus     Anount stranding   1     Stranding   5 wires around Core filler twisted	<b>.</b>	
Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating locking   Nickeled     Coating of fitting   nickel plated   Locking material   Zinc die-casting     Material screw connection   Zinc die-casting   Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method   inserted, screwed, Shaking protection   Environmental characteristics   Climatic     Operating temperature min.   -25 °C   Operating temperature min.   -25 °C     Operating temperature min.   -25 °C   Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality   Mounting method   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 ending protes.     Conformity   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 protes.   Conformity     Product standard   DIN EN 61076-2-101 (M12)   Installation   Gable <td></td> <td></td>		
Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating of fitting     Coating of fitting   nickele plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     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.     Conformity   Product standard     Product standard   DIN EN 610762-101 (M12)     Installation   Cable   Cable identification     Cable identification   635		
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Mechanical data   Mounting data     Incerted, scrowed, Shaking protection       Environmental characteristics   Climatic     Coefficient       Operating temperature main.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Soc       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)       Installation   Cable     Contemity       Product standard     635       Cable identification     635       Cable Identification     635       Cable Identification     635       Cable Identification     5 wires around Core filter twisted		1,5 kV
Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting data     Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Mote on stain relief       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)       Installation   Cable     Cable identification       Cable identification     635       Cable Type     3       Jacket Color     black       Type of Certificate     cLRus       Argending     1       Stranding     5 wires around Core filter twisted       Filler     yes       wire arrangement     brown, black,	Material group (IEC 60664-1)	
Coating of fitting     nickel plated       Locking material     Zinc die-casting       Methanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition 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     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.       Caformity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention:     G35     Cable Type       Gable Type     3     Jacket Color     black	Mechanical data   Material data	
Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Comparing 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.     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endrangered by excessive bending forces.     Conformity   Product standard     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable Type     Cable Type   3     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1     Stranding   5 wires around Core filler twisted     Filler   yes     wire arrangement   brown, black, blue, white, green-yellow     Cable weight   41.8 g/m     Material jacket	Coating locking	Nickeled
Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature min.     -25 °C     Operating temperature min.     -25 °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.       Contomity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification     635       Cable identification     635     Cable identification       Gost     Cable identificate     cURus       Amount stranding     1     Stireading       Filler     yes     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weight     41,8 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Sh	Coating of fitting	nickel plated
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 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.       Conternity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable iotelification     635       Cable iotelification     635     Cable Color       Jacket Color     black     Type of Certificate     cURus       Amount stranding     1     Stiranding     S wires around Core filler twisted       Filler     yes     yes     S wires around Core filler twisted       Filler     yes     S wires around Core filler twisted     Filler       Wire arrangement     brown, black, blue, white, green-yellow	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     Mounting method       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 identification       Cable identification     635       Cable IColor     black       Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weight     41,8 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)	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)       Installation   Cable     Cable identification       Cable identification     635       Cable IColor     black       Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weight     41.8 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A	Mechanical data   Mounting data	
Operating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant 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)Installation   CableCable identification635Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigh41.8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Mounting method	inserted, screwed, Shaking protection
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.     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     Cable identification   635     Cable identification   635     Cable Color   black     Type of Certificate   cURus     Amount stranding   1     Stranding   5 wires around Core filler twisted     Filler   yes     wire arangement   brown, black, blue, white, green-yellow     Cable weigth   41,8 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	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     DIN EN 61076-2-101 (M12)   Installation   Cable     Cable identification   635     Cable identification   635     Cable Color   black     Type of Certificate   cURus     Amount stranding   1     Stranding   5 wires around Core filler twisted     Filler   yes     wire arangement   brown, black, blue, white, green-yellow     Cable weigth   41,8 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	Operating temperature min.	-25 °C
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)       Installation   Cable     Cable identification       Cable identification     635       Cable Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, green-yellow       Cable weigth     41,8 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	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)Installation   CableCable identification635Cable identification635Cable ColorblackType of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowCable weigth41,8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Additional condition temperature range	depending on cable quality
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Stranding   5 wires around Core filler twisted     Filler   yes     wire arrangement   brown, black, blue, white, green-yellow     Cable weigth   41,8 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free		
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wire arrangement brown, black, blue, white, green-yellow   Cable weigth 41,8 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		
Cable weigth   41,8 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		
Material jacket PUR   Shore hardness jacket 90 ± 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free	-	
Shore hardness jacket 90 ± 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free		-
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Outer-olameter (jacket) 4,8 mm		
	Outer-diameter (jacket)	4,8 mm

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Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	5
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)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
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	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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   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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