

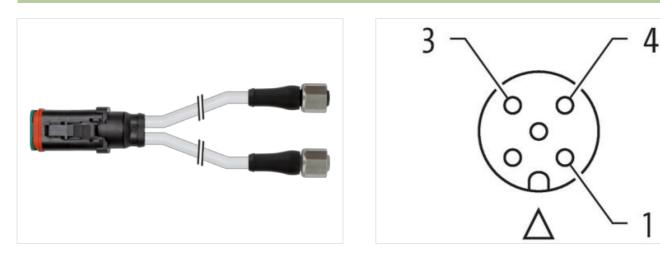
## Valve plug MDCY06-4s / 2x M12 female 0° Xtreme

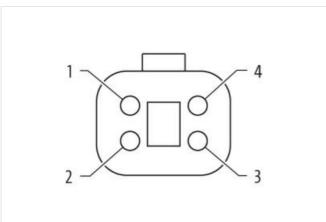
PUR 3x0.5 gy UL/CSA+drag chain 3m

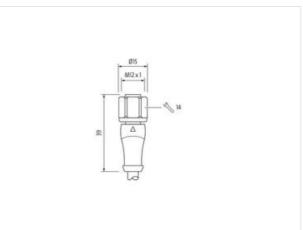
Xtreme - Outdoor Y connector Male straight – female straight 6...230 V AC/DC without components Compatible with: Amphenol AT06-2S or Deutsch DT06-2S Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration

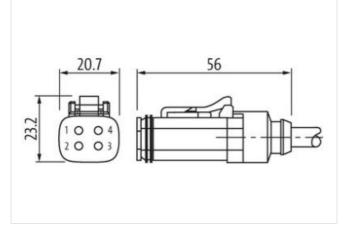


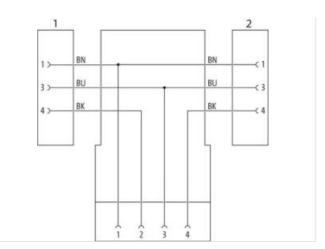




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20







Product may differ from Image

Cable length	3 m
Side 1	
Mounting method	inserted, screwed
Coating contact	nickel plated
Family construction form	MDC
suitable for corrugated tube (internal Ø)	10 mm
Material contact	Copper alloy
No. of poles	4
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	nickel plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
No. of poles	3
Side 3	
Family construction form	M12
Coding	A
Material contact	Copper alloy
No. of poles	3
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909005675
Packaging unit	1
Electrical data   Supply	
Operating voltage AC min.	6 V

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Operating voltage 20 min.         6 V           Operating voltage 20 min.         20 V           Concreating voltage 20 min.         4 A           Degree proceed or context ma.         A           Device protection 1 Electrical         Device protection 1 Electrical           Device protection 1 Electrical         PRO 0 MIN 0	Operating valtage AC may	220.1/
Operating workspe DC max.         24 W           Current operating per contact max.         4 A           Diagnostic         Status inflocation LED         no           Installation I Connection         Installation I Connection         Installation I Connection           Darge of protection [Electrical         Device protection [Electrical         Device protection [Electrical           Darge of protection [Electrical         Installation I Connection         Angenerative protection (Electrical           Darge of protection [Electrical         Installation I Connection         Angenerative protection (Electrical           Darge of protection (Electrical         Installation I Connection         Angenerative protection (Electrical           Material group (EC 0606F-1)         1         Installation I Connection           Environmental Characteristics (Cinnale         Status in connector         Environmental Characteristics (Cinnale           Operating temperature max.         25 °C         Operating temperature max.         25 °C           Operating temperature max.         25 °C         Operating temperature max.         25	Operating voltage AC max.	230 V
Current operating per contact max. 4 A Diagnostics Disclars indication LED no Instaliation (Connection Family construction form Amplerol AT06-45) Device protection [Entitical Degree of protection (EN IEC 60529) IP65, IP68, IP66K Additional condition protection degree Instantication in the instantiation of the instantiation		
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Statis indication LED         no           Installation (Connection         Ampleon AT06-48           Ovice protection (EN IEC 60520)         IP68, IP68, IP68, IP68           Additional conting protection degree         Instanto data statistica and data and data statistica and data statistica and data and		4 A
Instillation   Connection Iom         Anrybronol AT06 4S           Device protection   Electrical         Partle protection (SM EC 0652)         IP65, IP68, IP60K           Additional condition of protection degree         inserted, sorewed         Partle protection (SM EC 0652)         IP65, IP68, IP60K           Additional condition protection degree         inserted, sorewed         Partle protection (SM EC 0664 1)         I           Additional suppressor         without components         Image: Status (SM EC 0664 1)         I           Additional suppressor         without components         Image: Status (SM EC 0664 1)         Image: Status (SM EC 0664 1)           Additional suppressor         without components         Image: Status (SM EC 0664 1)         Image: Status (SM EC 0664 1)           Additional suppressor         without components         Image: Status (SM EC 0664 1)         Image: Status (SM EC 0664 1)           Additional suppressor         without components         Image: Status (SM EC 0664 1)         Image: Status (SM EC 0664 1)           Additional suppressor         Status (SM EC 0664 1)         Image: Status (SM EC 0664 1)         Image: Status (SM EC 0664 1)           Additional suppressor         Status (SM EC 0664 1)         Image: Status (SM EC 0664 1)         Image: Status (SM EC 0664 1)           Additional suppressor         Status (Sm EC 0664 1)         Status (SM EC 0664 1) <t< td=""><td>Diagnostics</td><td></td></t<>	Diagnostics	
Panily construction form         Anghenol AT06-4S           Degree or protection   Electrical         Pess, IP68,	Status indication LED	no
Device protection   Electrical           Degree of protection (EN EC 60529)         IP65, IP68, IP68K           Additional condition protection degree         3           Rated struge voltage         2,5 KV           Material group (EC 60684-1)         1           Additional condition protection degree         3           Material group (EC 60684-1)         1           Additional condition protection degree         3           Material group (EC 60684-1)         1           Additional condition protection degree         3           Material group (EC 60684-1)         1           Additional condition approtection approtection         4           Unoting method         Silarines stell 1,4005 (V2A)           Mechanical data   Mounting data         Silarines stell 1,4005 (V2A)           Mounting method         Inserted, screwed, Shaking protection           Locking techniques         Sing-in connector           Portating temperature max.         25 °C           Operating temperature max.         25 °C           Depreting temperature max.	Installation   Connection	
Degree of protection (EN IEC 60529)         IP65, IP68, IP66K           Addinical condition protection degree         inserted, screward           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         I           Addinical suppressor         without components           Material group (IEC 60664-1)         I           Chadring at suppressor         without components           Material group (IEC 60664-1)         Inserted, screward, Shaking protection           Locking material         Stateless steel 1.4305 (V2A)           Material gravity         Inserted, screward, Shaking protection           Locking material         Stateless steel 1.4305 (V2A)           Material protective min.         28 °C           Operating temperature min.         28 °C           Operatin statilation notes         Stateless steel 1.4305 (V2A)           Note on strain reflef         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radiu         Attention: Observe the permissible bending radii when laying cables, as the IP protection dates can be endargered by soccessive bending forces.           Contormity         Ended Din Context the permissible bending radii when laying cables, as the IP protection dates can be endangered by soccessive bending forces.	Family construction form	Amphenol AT06-4S
Additional condition protection degree       inserted, screwed         Palluation bgree       3         Reade surge voltage       2.5 kV         Material guays (IEC 6964-1)       1         Additional suppressor       without components         Mechanical data   Material data       Silicon         Material gasket       Silicon         Locking material       Stainless steel 1.4305 (V2A)         Morting method       inserted, screwed, Shaking protection         Looking techniques       Snap-in connector         Environmental characteristics [ Climatic       Coperating temperature max.         Operating temperature max.       85 °C         Additional condition temperature max.       85 °C         Addition role       Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable tes.         Note on shain rolef       Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable tes.         Contormity       Inselfated         Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable tes.         Additional Cool of the presenture max.       85 °C         Cable on thinkinglation       428         Cable on thinkinglation       428         Cable on thinkinglatin       428	Device protection   Electrical	
Additional condition protection degree       inserted, screwed         Palluation bgree       3         Reade surge voltage       2.5 kV         Material guays (IEC 6964-1)       1         Additional suppressor       without components         Mechanical data   Material data       Silicon         Material gasket       Silicon         Locking material       Stainless steel 1.4305 (V2A)         Morting method       inserted, screwed, Shaking protection         Looking techniques       Snap-in connector         Environmental characteristics [ Climatic       Coperating temperature max.         Operating temperature max.       85 °C         Additional condition temperature max.       85 °C         Addition role       Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable tes.         Note on shain rolef       Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable tes.         Contormity       Inselfated         Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable tes.         Additional Cool of the presenture max.       85 °C         Cable on thinkinglation       428         Cable on thinkinglation       428         Cable on thinkinglatin       428	Degree of protection (EN IEC 60529)	IP65, IP68, IP66K
Pallation Degree         9           Rated surge voltage         2,5 kV           Material group (EC 60664-1)         1           Additional suppressor         without components           Mechanical data   Material data         Silicon           Locking material         Silicon           Locking material         Silicon           Locking material         Silicon           Locking temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Import         Material display           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 porniscible bonding radii when laying cables, as the IP protection class can be endangered by exoresive bending fores. <t< td=""><td>• • • •</td><td></td></t<>	• • • •	
Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         I           Additional suppressor         without components           Machanical data   Material data         Silicon           Locking material         Silicon           Locking material         Silicon           Mounting method         inserted, screwed, Shaking protection           Locking material         Silicon           Coperating temperature max.         85 °C           Additional suppressor         depending on contector           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         Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endingered by excessive bending forces.           Conformity         Installation (Cable           Cable dentification         428           Cable Type         3           Startle Corlo         gray           Type of Centificate         CUPus           Amount stranding         1           Stranding         3 wins twisted		
Material group (IEC 60664-1)         I           Additional suppressor         without components           Material gask         Silicon           Locking material         Stamless steel 1.4305 (V2A)           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Locking method         inserted, screwed, Shaking protection           Locking techniques         Snap-in connector           Environmental characteristics   Climatic         Operating temperature min.           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature may.         despending on cable quality           Important installation notes         Note on strain rolief           Note on strain rolief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ies.           Note on strain rolief         DIN EN 61076-2-101 (M12).           Installation   Cable         Cable clentification           Cable Type         3           Cable Type         3           Material jackit         DIV		-
Additional suppressor       without components         Metarial gasket       Silicon         Locking matrinal       Siliarless steel 1.4305 (VZA)         Mechanical data   Mounting data       Matrinal gasket         Mounting method       inserted, screwed, Shaking protection         Looking matrinal       Sinapies steel 1.4305 (VZA)         Mechanical data   Mounting data       Sinapies commettor         Environmental characteristics   Climatic       Operating temperature min.       -25 °C         Operating temperature max.       85 °C       Operating temperature max.       85 °C         Additional condition temperature ranze       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 les.         Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endagered by excessive bending forces.         Contomity       Installation       428         Cable identification       428         Cable identification       428         Cable identification       428         Cable weight       47,3 g/m         Material jackt       PUR         Share Arrings spicket       90 ± 5 Shore A         <		
Mechanical data   Material data           Material gasket         Silicon           Locking material         Stainless steel 1.4305 (V2A)           Mechanical data   Mounting method         inserted, screwed, Shaking protection           Locking techniques         Snap-in connector           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         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.           Rodic straindard         DIN EN 61076-2-101 (M12)           Installation [ Cable         Color           Cable Type         3           Jacket Color         gray           Type of Cartificate         CURus           Amount stranding         1           Stranding         3 wires twisted           wire arangement         brown, black, blue		without components
Material gasket         Silicon           Locking material         Stainless steel 1.4305 (V2A)           Mechanical data [Mounting data           Mounting method         inserted, screwed, Shaking protection           Locking techniques         Snap-in connector           Environmental characteristics [Climatic         Comparing temperature min.           Operating temperature min.         .25 °C           Additional condition temperature max.         85 °C           Nole on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.           Nole on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endiagreed by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation [Cable         28         Cable fortification           Cable fortification         428         Cable fortification           Type of Carrification         428         Cable fortification           Armount stranding		
Locking material         Stainless steel 1.4305 (V2A)           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Locking techniques         Snap-in connector           Environmental characteristics   Climatic         Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Itisallation notes         Mounting radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending torces.           Conformity         Product standard           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Cable identification           Cable identification         428           Cable identification         428           Cable identificate         cURus           Anount stranding         3 wires twisted           Wire arrangement         brown, black, blue           Cable weight         47.3 g/m           Material	·	Siliaan
Mechanical data   Mounting data           Mounting method         Inserted, screwed, Shaking protection           Looking techniques         Snap-in connector           Environmental characteristics   Climatic         Operating temperature main.         -25 °C           Operating temperature max.         85 °C	-	
Mounting method         inserted, screwed, Shaking protection           Looking techniques         Snap-in connector           Environmental characteristics   Climatic         Connector           Operating 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 ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending of creds.           Contormity         Product standard         DIN EN 61076-2-101 (M12)           Installation [ Cable         Cable Type         3           Jacket Color         gray         Type of Cartificate           QuBray         QuBray         QuBray           Stranding         3 wires twisted         QuBray           wire arrangement         brown, black, blue	5	Stairiless Steer 1.4300 (VZA)
Looking techniques         Snap-in connector           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         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         Meterion: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Contomity         Installation   Cable         Cable top:	Mechanical data   Mounting data	
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.           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         428           Cable Identification         428           Cable Identification         418           Monut stranding         1           Stranding         1           Stranding         1           Stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         47,3 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A	Mounting method	
Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature mage       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       428         Cable identification       428       Cable identification       428         Cable Ioppe       3       Jacket Color       gray         Type of Certificate       cURus       Amount stranding       1         Stranding       1       Stranding       Stranding       Stranding         Shore hardness jacket       90 ± 5 Shore A       PUR       Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (lacket)       Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (lacket)       4.6 mm         Tolerance cuter (lacket)       9.0 ± 5 Shore A       Freedom from ingredients (lacket)       4.6 mm	Looking techniques	Snap-in connector
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 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         428           Cable Identification         428         Cable Type         3           Jacket Color         gray         Type of Certificate         cURus           Amount stranding         1         Stranding         3 wires twisted           wire arrangement         brown, black, blue         Cable weight         47,3 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 tires         3         O	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 radi 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       428         Cable identification       428       Cable Identification       428         Anount stranding       1       Stranding       1         Stranding       3 wires twisted       wire arrangement       brown, black, blue         Cable wight       47.3 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 twices       3       Outer diameter (sheath)       ± 5 %         Shore hardness wire insulation       1,4 mm       Outer diameter insulation       1,4 mm         Outer diameter insulation       1,4 mm       Outer diameter lolerance core insulat	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         428           Cable Type         3           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         47,3 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4.6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount vires         3           Outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount vires	Operating temperature max.	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 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         428           Cable identification         428         Cable Color         gray           Type of Colfficate         cuRus         Attention:         Guada Stranding         I           Stranding         1         Stranding         3 wires twisted         Mine         Gable Color         Gray           Stranding         1         Stranding         3 wires twisted         Mine         Gable Color         Gray         Gable Color         Gray	Additional condition temperature range	depending on cable quality
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         428           Cable identification         428         Cable Color         gray           Type of Certificate         cLRus         Amount stranding         1           Stranding         3 wires twisted         wire arrangement         brown, black, blue           Cable weigth         47,3 g/m         Material jacket         PUR           Shore hardness jacket         90 I 5 Shore A         Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         4,6 mm         Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP         Amount wires         3           Outer diameter fueloaction         1,4 mm         Outer diameter tolerance core insulation         1,4 mm	Important installation notes	
Note of Defining radius       endangered by excessive bending forces.         Conformity         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable         Cable identification       428         Cable identification       428         Cable Type       3         Jacket Color       gray         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weigth       47,3 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free         Outer diameter (jacket)       4.6 mm         Tolerance outer diameter (jsketh)       ± 5 %         Material wire insulation       PP         Amount wires       3         Outer diameter insulation       1,4 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification428Cable identification428Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth47,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Amount wires3Outer diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	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   CableCable identification428Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth47,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	Conformity	
Cable identification428Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth47,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation70 ± 5 Shore D	Product standard	DIN EN 61076-2-101 (M12)
Cable identification428Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth47,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation70 ± 5 Shore D	Installation   Cable	
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth47,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		428
Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth47,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
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Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       3         Outer diameter insulation       1,4 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D	wire arrangement Cable weigth Material jacket Shore hardness jacket	brown, black, blue           47,3 g/m           PUR           90 ± 5 Shore A
Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,4 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D	wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	brown, black, blue 47,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires     3       Outer diameter insulation     1,4 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D	wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	brown, black, blue 47,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,6 mm
Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	brown, black, blue 47,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,6 mm ± 5 %
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D	wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation	brown, black, blue 47,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,6 mm ± 5 % PP
Shore hardness wire insulation     70 ± 5 Shore D	wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires	brown, black, blue 47,3 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,6 mm ± 5 % PP 3
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	wire arrangement         Cable weigth         Material jacket         Shore hardness jacket         Freedom from ingredients (jacket)         Outer-diameter (jacket)         Tolerance outer diameter (sheath)         Material wire insulation         Amount wires         Outer diameter tolerance core insulation         Shore hardness wire insulation	brown, black, blue           47,3 g/m           PUR           90 ± 5 Shore A           lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           4,6 mm           ± 5 %           PP           3           1,4 mm           ± 5 %           70 ± 5 Shore D

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



Amount strands (wire)	28
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,5 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	9 A
Electrical resistance line constant wire	39 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	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
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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