

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

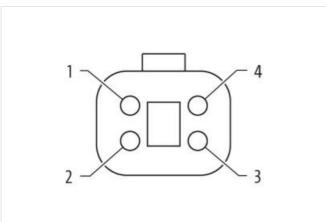
PUR 3x0.5 gy UL/CSA+drag chain 3m

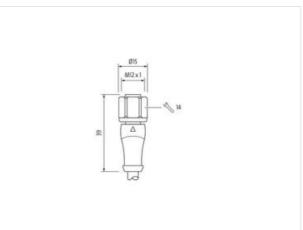
Xtreme - Outdoor Y connector Male straight – female straight 6...230 V AC/DC without components Compatible with: Amphenol AT06-2S or Deutsch DT06-2S Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application.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

Link to Product

Illustration

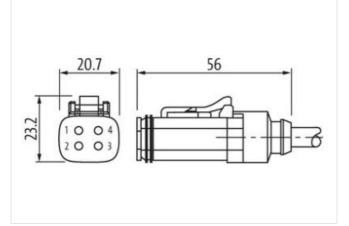


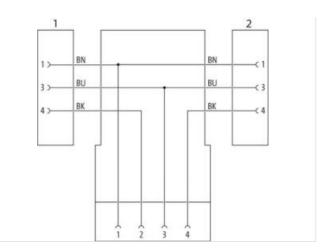




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20







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

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



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		
Disproatise Status findantics LED no Instaliation I Connection Amphonol A106-45 Device protection I Electrical Image contruction form Dagree of protection I Electrical Image contruction form Addrenal condition protection degree Image contruction form Pollation Degree S Readed surge volge S. NV Material group IEC 60661-1) 1 Addrenal condition fatherial data Image contruction form Material gasked Silicon Lochanical dital Material data Image contruction form Material gasked Silicon Lochange data lay avoide for la Material data Image in connector Material gasked Silicon Lochange data lay avoide for la Material data Image in connector Mounting method Insertor, screened, Shaking protection Lochange data lay avoide for la Material data B5 °C Constrain trainaliation notem B5 °C Constrain negrea/metion B5 °C Condition temperature range depending on cable quality Mate on tranin gradie Protect the conneactor		
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		
Type 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 insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		-
Amount 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 insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
Stranding3 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 insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
wire 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 insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		·
Cable 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 insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		3 wires twisted
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D		
Shore 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 insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	wire arrangement	brown, black, blue
Freedom 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 insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	wire arrangement Cable weigth	brown, black, blue 47,3 g/m
Outer-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore D	wire arrangement Cable weigth Material jacket	brown, black, blue 47,3 g/m PUR
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
	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 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
	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	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 %
	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

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