

M12 male 0° A-cod. / MSUD valve plug A-18mm

PUR 3x0.75 bk UL/CSA+drag ch. 10m

Form A (18 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Bridged PE A-coded

Further cable lengths on request.

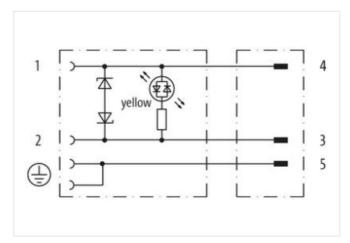
Plastic housings with good resistance against chemicals and oils.

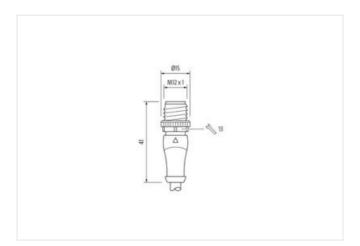
The resistance to aggressive media should be individually tested for your application. Further details on request.

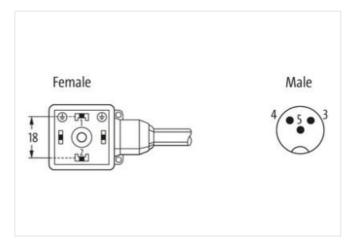
Link to Product

Illustration

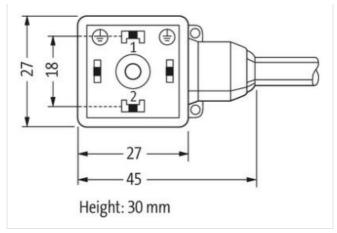








stay connected



Product may differ from Image









Cable length	10 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M12
Thread	M3
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Thread	M12 x 1
Material	PBT
Degree of protection (EN IEC 60529)	IP67
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	4048879151917
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data Supply	
Operating voltage AC	24 V
Operating voltage AC min.	19,2 V
Operating voltage AC max.	28,8 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: 2024-05-08



stay connected

Coursing voltage DC min. 19 V Operating voltage DC min. 30 V Current operating per outset max. 4 A Current operating per contact max. 4 A Current operating per contact max. 4 T Current operating per contact max. 4 A Diagnostics Status indication LED yellow Device protection Electrical Additional condition protection digree insented, screwed Follation Degree 3 S Rated surge voltage 0.8 kV Macried topoy (EG 60064-1) I Mechanical data Mortal data Mortal data Macried poye (EG 60064-1) I Mechanical data Mortal data Mortal data Mortal power operation Plate Conting tocking 0.8 kV Macried power Plate Conting tocking ober Plate Conting tocking 0.8 kV Macried power Plate Macried tocking 0.8 kV Macried	Operating voltage DC	24 V
Operating voltage BC max. 55 V Current operating per contact max. 4 A Current consumption max. 15 mA Device protection Electrical Desposation Device protection Electrical Additional contain protection degree Inserted, sprewed Pollution Degree 3 3 3 3 3 3 3 3 3 3		
Courier operating per contact max. 4 A Current consumption max. 15 mA Diagnostics Status indicato LED yellow Device protection [Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Filandia Surgie voitage 0, 3, AV Material group (EC 69664-1) Filandia Surgie voitage 0, 3, AV Material group (EC 69664-1) Costing locking Nickeled Costing locking locki		
Current consumption max. 15 mA Disgnostics Status indication LED yellow Device protection Electrical Additional control to protection of		
Diagnositics Status Indication LED yellow Pevice protection Electrical Additional condition protection degree inserted, screwed Publishon Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Which in the protection Electrical Additional condition protection degree 0,9 kV Material group (IEC 60664-1) I Coaling locking 0,8 kV Material group (IEC 60664-1) I Coaling locking Nickeled Cool rousing Nickeled Cool rousing Diado Material group (IEC 60664-1) I Coaling locking Cool on the protection of the protection diagoset PUR Material prousing Plastic Locking material Zirc die castling Mechanical data Mounting data Mounting method Inserted, screwed Environmental characteristics Climatic Previous preparature man. 25 °C Operating temperature range depending on cable quality Important installation notes Note on banding radius Attention: Cheave the permissible bending radii when laying cables, as the IP protection diass can be endangered by excessive bending forces. Cable identification Sie Color of wiw insulation white (solation black) Lacket Color Siranding 1 Stranding 3 wies tweeted wine arrangement black black Cype of Certificate Climatic Material jacket PUR Stranding 3 wies tweeted wine arrangement black black Cype of Certificate Climatic Material jacket PUR Material jacket PUR Stranding 5 °C horizontal Castelle regions (actually 5 °C Colle weighn 5 °C Colle weighn 5 °C Colle regions 5 °C Colle reg		
Status in Claration LED yellow Pervice protection Electrical Pervice Pervice Pervice Pervice Pervice Pervice Pervice Pervice Pervice Pervi		
Status indication LED yellow Device protection Electrical Additional condition protection degree inserted, sorewed Pollution Degree 3 Raided surge voltage 0,8 AV Macerial group (IEC 60064-1) I Mechanical data Material data Conting locking Nickeled Conting locking Nickeled Control policing Nickeled Control policing Nickeled Control policing Nickeled Control policing Plastic Locking naterial Puri Material data Material data Material policing Nickeled Control polici	<u> </u>	10 IIIA
Device protection Electrical	Diagnostics	
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I Mechanical datal Material data Coating looking Nickeled Color housing black Material gasket PUR Material group (IEC 60664-1) PuR Material gasket PUR Material gasket PUR Material gasket PUR Material possing black Material gasket PUR Material possing Plastic Locking material Zinc dis-casting Mechanical datal Mounting data Mechanical datal Mounting datal Mounting datal Mechanical data (September 1) Mechanical data data data data data data data da	Status indication LED	yellow
Railed surge voltage 0,8 kV Material group (FE 60664-1) I Mechanical data Material data Material data Coasing locking Nickeled Coder housing back Material group (FE 60664-1) FE	Device protection Electrical	
Ratio surge voitage 0.8 kV Material group (EC 60664-1) 1 Coating locking Material data Material data Coating locking Nickeled Color housing Black Material gasket PUR Material gasket PUR Material pasket Pura Material paske	Additional condition protection degree	inserted, screwed
Material group (EC 60664.1) Mechanical data Material data Cotor housing black Material gasket PUR Material housing Plastic Locking material Zinc die-casting Mechanical data Mounting data Mechanical condition temperature range depending on cable quality ###################################	Pollution Degree	3
Mechanical data Misterial data Coating looking Nickeled Cotor housing back Material posket PUR Material posket Plastic Locking material Cocking material Locking material Lock	Rated surge voltage	0,8 kV
Color housing black Color housing black Material pasket PUR Material pasket PUR Material pasket Zinc die-casting Mechanical data Mounting data Mounting method Inserted, screwed Ervitronmental characteristics Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Operating temperature max. 85 °C Operating temperature max. 85 °C Operating 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. Installation Cable Cable identification 636 Cable identification white (solation black) Jacket Color black Amount stranding 1 Stranding 3 wires twisted Wrie arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 55,1 gm Material jacket PUR Shore hardness jacket 90±5 Shore A Freedom from ingredients (jacket) 1,9 mm Tolerance outer diameter (ghacket) 5,9 mm Jouter diameter (gacket) 5,9 mm Jouter diameter insulation 70±5 Shore D Ingredient freeness wire insulation 1,0 strandium-free, CFC-free, halogen-free, silicone-free	Material group (IEC 60664-1)	T
Color housing black Material pasket PUR Material housing Plastic Locking material Ziric die-casting Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh @ 56,1 g/m Material packet PUR Shore hardness sicket 9 UR Shore hardness sicket 9 UR Material packet 9 UR Material wire insulation PP Amount wires 3 Outer diameter (slacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 7 0.5 Shore D Ingredient freeness wire insulation 7 2.5 Shore D Ingredient freeness wire insulation 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Mechanical data Material data	
Color housing black Material pasket PUR Material housing Plastic Locking material Ziric die-casting Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh @ 56,1 g/m Material packet PUR Shore hardness sicket 9 UR Shore hardness sicket 9 UR Material packet 9 UR Material wire insulation PP Amount wires 3 Outer diameter (slacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 7 0.5 Shore D Ingredient freeness wire insulation 7 2.5 Shore D Ingredient freeness wire insulation 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Coating locking	Nickeled
Material gasket PUB Material housing Plastic Locking material Zinc de-asting Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. 25° C Operating temperature man. 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 flees. Note on strain relief Authority of the connectors of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (solation black) Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25°C horizontal Cable weigh Material jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 59 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 10 and free, cadmium-free, CFC-free, halogen-free, silicone-free		
Material housing Plastic Locking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed 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 Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate URus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh 55.1 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Material wire insulation PP Amount strain in ingredients (jacket) 1,9 mm Tolerance outer diameter (speaket) 5,9 mm Tolerance outer diameter (speaket) 1,95 mm Coluter diameter (speaket) 2,9 mm Tolerance outer diameter (speaket) 2,5 % Material wire insulation 7,2 5 Shore D Ingredient freeness wire insulation 1,25 Shore D		
Mechanical data Mounting data		-
Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min25 °C Operating temperature man. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Wire arrangement black 1, Black 2, green-yellow Wire arrangement black 1, Black 2, green-yellow Traversing distance (C-track) 10 m@ 25 °C horizontal Cable weigh 56,1 g/m Material jacket PUR Shore hardness jacket PUR Amount stranders (acket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Amount wire or ingredients (sacket) PPR Amount wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter folerance core insulation 1,85 mm		
Mounting method inserted, screwed Environmental characteristics Climatic		Line die edeting
Environmental characteristics Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending froces. Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 56,1 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,85 mm Outer diameter insulation 1,85 mm Outer diameter insulation 1,85 mm Ingredient freeness wire insulation 1,85 mm Ingredient freeness wire insulation 1,00 mm or able of the content of the		incorted corouged
Operating temperature min. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1.89 mm Tolerance outer diameter (sheath) ± 5 % Material wires suit insulation 1.85 mm Outer diameter insulation 1.85 mm Outer diameter insulation 1.85 mm Outer diameter insulation 1.70 ± 5 Shore D Ingredient freeness wire insulation 1.94 free, cadmirum-free, CFC-free, halogen-free, silicone-free Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.94 free, cadmirum-free, CFC-free, halogen-free, silicone-free		
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 56.1 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Material wire insulation PP Amount wires 3 Outer diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,85 mm Outer diameter insulation 1,85 mm Outer diameter rolerance core insulation 2 ± 5 % Shore hardness wire insulation 1,9 ± 5 Flore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh 56,1 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 (gacket) 1,85 mm Outer diameter (sheath) ± 5 % Material wire insulation 1,85 mm Outer diameter tolerance core insulation 1,05 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
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. Installation Cable Cable identification 636 Cable identification white (isolation black) Jacket Color black Type 0 3 Printing color of wire insulation white (isolation black) Jacket Color black Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) iead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5% Material wire insulation PP Amount wires 3 Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 100 fead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
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. Installation Cable Cable identification 636 Cable identification white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 99 ± 5 Shore A Freedom from ingredients (jacket) 19 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation 1,85 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Important installation notes	
Installation Cable Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 56,1 g/m Material jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 19 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation 1,85 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Cable identification 636 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Amount wires 3 Outer diameter insulation PP Amount wires 3 Outer diameter tolerance core insulation 1,85 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	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.
Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 1,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation 1,85 mm Outer diameter tolerance core insulation 1,25 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Installation Cable	
Printing color of wire insulation white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation 1,85 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification	636
black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation 50 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable Type	3
Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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	Printing color of wire insulation	white (isolation black)
Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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	Jacket Color	black
Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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	Type of Certificate	cURus
wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 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) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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 stranding	1
Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation 25 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Stranding	3 wires twisted
Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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	wire arrangement	black 1, black 2, green-yellow
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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	Traversing distance (C-track)	10 m @ 25 °C horizontal
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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	Cable weigth	56,1 g/m
Freedom from ingredients (jacket) Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation 4 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation 25 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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	Outer-diameter (jacket)	5,9 mm
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,85 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	Material wire insulation	PP
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 wires	3
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Outer diameter insulation	1,85 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Outer diameter tolerance core insulation	±5%
	Shore hardness wire insulation	70 ± 5 Shore D
Printing color of wire insulation white (isolation black)	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	Printing color of wire inculation	white (isolation black)



stay connected

Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 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	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	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