

M12 male 0° A-cod. / MSUD valve plug B-10mm

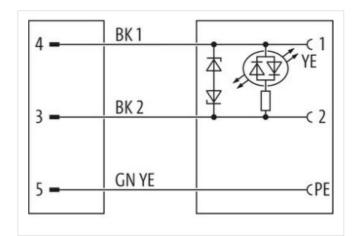
PUR 3x0.75 ye UL/CSA+drag ch. 3m

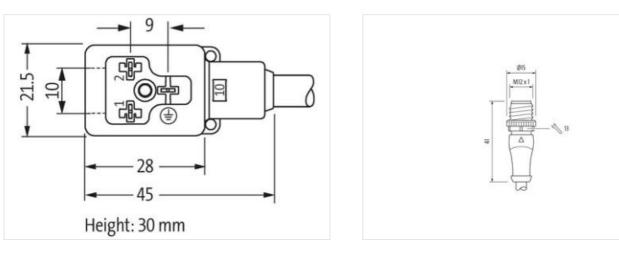
Form B (10 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product



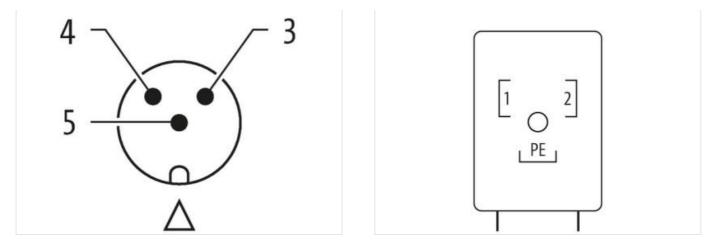






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-07





Product may differ from Image



Cable length	3 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,4 Nm
Family construction form	MSUD B
Thread	M3
No. of poles	3
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879147972
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data Supply	

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: 2024-05-07



Central gradings AC min. 19.2 V Operating vallags AC max. 28.8 V Operating vallags DC 24 V Operating vallags DC min. 18 V Operating vallags DC max. 50 V Call-Of perk vallags provide max. 54 V Diagnostic 30 V Call-Of perk vallags provide max. 4 A Descript vallags CE cold ML Vallation ML Additional Gradin protection (Bedrical Vallation CE cold ML Descript vallags MAR 0,8 kV Matarial group (CE cold ML 1) 1 Additional Suppressor 2 (Odd Pariting Descript vallags Maxed Vallation Cold ML Descript vallags MAR Versitit Cold Pariting Vallags AC (ML N) 1 Addition Cold ML Versitit Descript vallags MAR Versitit Cold Pariting Vallags AC (ML N) 1 Cold Pariting Vallags AC (ML N) 1 Cold Pariting Vallags AC (ML	Operating voltage AC	24 V
Operating voltage DC 24 V Operating voltage DC max. 38 V Carl of peak voltage max. 55 V Carl of peak voltage max. 55 V Status floated max. 4 A Diagnostice 90 voltage Status floated max. 4 A Diagnostice 90 voltage Backs protection floated max. 4 A Addional condition protection degree inserted. screwed Rated surper voltage 0.8 kV Material group (160 colds 1) 1 Addional suppressor 2. Diode Mechanicat data (160 colds 1) 1 Addional suppressor 2. Diode Material group (160 colds 1) 1 Addional suppressor 2. Diode Material housing Plasic Looding screw costing voltage decide colds 10 Cold housing Plasic <	Operating voltage AC min.	19,2 V
Operating voltage DC min. 18 V Operating voltage DC min. 18 V Operating voltage DC min. 55 V Current operating per contact max. 4 A Diagnostic Exclusine indexion LED yellow Device protection Electrical Additional condition protection degree inserted, screwed Rated surge voltage inserted, screwed Rated surge voltage inserted, screwed Additional sporp (EC 6068-1) I Additional sporp (EC 6068-1) I Costing Cocking Nckeled Cooling Gover costing Versited Color for screwed Inserted, screwed Restancial data Mounting data Versited Mounting method inserted, screwed Extremental characteristics (Climatic Climatic Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Attention: Observe the pormiscial whom laying cables, as the P protection duas, as the P endection duas,	Operating voltage AC max.	28,8 V
Operating voltage DC max 80 V Cat-off peak voltage max. 55 V Cat-off peak voltage max. 55 V Contrant operating per contact max. 4 A Dispositie Status indication LED Status indication LED yellow Device protection [Electrical Addition of odgree Additional condition protection degree 0.8 V Material group (EC 06064-1) 1 Additional suppressor Z Diode Mechanical data Mechanical data Coaling locking Nickeled Lacking acrew coaling variation Coaling locking Nickeled Lacking acrew coaling variation Coaling locking Plaste Coaling locking method Inserted, sorewed Environmethol characteristics I Climatic Plaste Coaling locking teremeture max. 8° C	Operating voltage DC	24 V
Cut of peak voltage max. 55 V Current operating per cented max. 4 A Design static Status indication LED Status indication LED yellow Device protection Electrical Additional condition protection degree National condition protection degree 0.8 kV Material group (EC 80664-1) 1 Additional condition protection degree 0.8 kV Material group (EC 80664-1) 1 Costing locking Nickled Locking scrow costing variatid Costing locking Nickled Locking scrow costing variatid Material housing Diasto Locking material Zinc die-casting Material housing Diasto Locking material Zinc die-casting Material housing Diasto Locking material Zinc die-casting Material housing Desto Locking material Zinc die-casting Material housing Desto Locking radue Si °C Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on bording radue N	Operating voltage DC min.	18 V
Cut of peak voltage max. 55 V Current operating per cented max. 4 A Design static Status indication LED Status indication LED yellow Device protection Electrical Additional condition protection degree National condition protection degree 0.8 kV Material group (EC 80664-1) 1 Additional condition protection degree 0.8 kV Material group (EC 80664-1) 1 Costing locking Nickled Locking scrow costing variatid Costing locking Nickled Locking scrow costing variatid Material housing Diasto Locking material Zinc die-casting Material housing Diasto Locking material Zinc die-casting Material housing Diasto Locking material Zinc die-casting Material housing Desto Locking material Zinc die-casting Material housing Desto Locking radue Si °C Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on bording radue N	Operating voltage DC max.	30 V
Current operating per contact max. 4 A Disposition Stable indication LED Stable indication LED yellow Device protection Electrical Inserted, screwed Addition problem of depresent inserted, screwed Retard surge ventage Material group (EE 60664-1) 1 Additional stuppressor Z-Dicde Mechanical data Material data Coaling locition Coaling lociting Nickeled Locking screw coating verzinkt Coder housing Data Mechanical data Material data Coder coaling Locking screw coating verzinkt Coder housing Data Material rousing Plaste Locking method inserted, screwed Environmental characteristics Climatic Operating repensive man. Operating repensive max. 85 °C Operating repensive max. 85 °C Operating repensive max. 85 °C Cofforming Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable loss. Note on strain roliof Protect the connectors by suitable measur		55 V
Status indication LED yellow Device protection [Electrical inserted, screwed Rated surge voltage 0.8 VV Material group (IEC 6064-1) 1 Additional suppressor 2-Diode Mechanical data [Material data Coating looking Nickelod Locking screw coating verzinkl Coating looking Diack Material Inousing Plastic Locking method inserted, screwed Material Inousing Plastic Locking method inserted, screwed Environmental characteristics [Climatic Comparition protection representator range Operating Imperature max. 65 °C Coating utemporature range depending on cable quality Important Installation notes Important Installation notes Corronity Protection Cobserve the permissible bending ratii when laying cables, as the IP protection class can be entolongered by sociable bending ratii when laying cables, as the IP protection class can be entolongered by sociable bending ratii when laying cables, as the IP protection class can be entolongered by sociable bending ratii when laying cables, as the IP protection class can be		4 A
Device protection [Electrical Addition condition protection degree inserted, screwed Rated surge voltage 0,8 kV Material group (EC 0004+1) I Additional suppressor Z-Diode Mechanical data Material data Control Costing locking Nokeled Locking screw coaling verzinit Codin locking material Zine cide-casting Metarial toxing material Zine cide-casting Metarial toxing material Zine cide-casting Metarial toxing temperature min. 25 °C Operating temperature min. 25 °C Operating temperature max. 85 °C Operating temperature max. 85 °C Operatin installation notes Note on strain rolled Note on strain rolled Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Additional condition temperature max. Additional conditig radii when laying cables, as the IP protection class can be endargered by excessive bending forces. Contormity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Additonal condition temperature max. 036 <td>Diagnostics</td> <td></td>	Diagnostics	
Additional condition protection degree inserted. screwed Rated surge voltage 0.8 kV Material group (16: 60:664-1) 1 Additional suppressor 2 Diode Mechnical data Material data Coating locking Nickeed Locking screw coating varzinkt Color bousing Bate Locking meterial Zine die-casting Material housing Plastic Locking material Zine die-casting Material housing Inserted. screwed Environmental characteristics Climatic Environmental characteristics Climatic Operating temperature main. 25 °C Operating temperature main. 25 °C Additional condition temperature max 85 °C Additional condition temperature max 85 °C Note on stain rollel Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable loss. Atternitor: Observe the permissible bending forces. Contermity Product standard DIN EN 61076-8-101 (M12), DIN EN 175301-803 (MSUD) Installation 1 Cable Cable Type Printing c	Status indication LED	yellow
Rated surge voltage 0.8 kV Material group (EC 6064-1) 1 Additional suppressor Z-Diode Mechanical data Material data Costing locking Nickeled Locking sorew costing Locking sorew costing verzinkt Coding material Zinc dire-asting Mechanical data Mounting data Material housing Mechanical data Mounting data Material housing Mechanical data Mounting data Material housing Mounting mathed inserted, screwed Environmental characteristics Climatic Operating temperature max. Operating temperature max. BS °C Additional condition temperature range depending on cable quality Important installation notes Note on stain relief Note on stain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on stain relief DIN EN 61076-2-101 (M12), DIN EN 175501-803 (MSUD) Installion Cable Cable identification Cable identification 036 Cable Identification 036 Cable Identification 036 Cable Identification 036 Cable View insultation white (solation black) Jacket Color yellow Type of Certificate <td>Device protection Electrical</td> <td></td>	Device protection Electrical	
Material group (IEC 60684-1) I Additional suppressor Z-Diode Mechanical data Material data Casting locking Nickeled Locking screw coaling Locking screw coaling verzinki Color housing black Material housing Plastic Locking material Zinc die-casting Mechanical data Mounting data Inserted, screwed Environmental characteristics Climatic Operating temperature max. Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Note on strain relief Protect the connectors by suitable measures from mochanical loads, e.g. by the usage of cable lase. Note on strain relief Protect the connectors by suitable measures from mochanical loads, e.g. by the usage of cable lase. Attention: Observe the permissible bencing radii when laying cables, as the IP protection class can be and and gored by successor bencing forces. Conformity Product standard Protoct standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation (Cable Quelow Type of Certificate QLPus Aftention <	Additional condition protection degree	inserted, screwed
Additional suppressor 2-Diode Mechanical data Material data Coating locking Nickeled Locking serve coating verzinkt Color housing black Material housing Plastic Locking method inserted, screwed Environmental characteristics Climatic Operating temperature max. Operating temperature max. 85 °C Additional condition temperature remed Environmental characteristics Climatic Important installation notes Meterition: Observe the permissible bending radii when laying cables, as the IP protection class can be ending proces. Conformity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable letes. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending proces. Calle dentification 036 Cable dentification 036 Cable dentification 036 Cable dentification 036	Rated surge voltage	0,8 kV
Mechanical data Material data Coating looking Nickeled Looking screw coating verzinkt Color housing Block Material housing Plastic Looking material Zinc die-casting Mechanical data Mounting method inserted, screwed Environmental characteristics Climatic Operating temporature min. -25 °C Additional contino temperature range depending temporature min. -25 °C Additional contino 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 tiles. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles. Note on strain relief DIN EN 1076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation 036 Cable identification 036 Cable identification 036 Cable identification where stwistatd wire arangeme	Material group (IEC 60664-1)	1
Coating locking Nickeled Locking screw coating verzinkt Color housing black Material housing Plasic Locking material Zino die-casting Metrial housing Plasic Mounting methed inserted, screwed Environmenial characteristics [Climatic Operating temperature max. Operating temperature max. 65 °C Additional condition temperature range depending on cable quality Important installation notes Note on stain relief Note on stain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation [Cable Gable frype Cable frype 3 Printing color of wire insulation white (isolation black) Jacket Color yellow Type of cortificate CURUs Anounut stranding	Additional suppressor	Z-Diode
Locking screw coating verzinkt Color housing black Material housing Plastic Locking matchal Zinc die-casting Mechanical data Mounting data Inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature may. 85 °C Additional condition temperature may. 85 °C Additional condition temperature may. 85 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Intertion:: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contormity Intertion:: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Cable trype 3 Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Gable Cable topic Cable torype 3 Printin	Mechanical data Material data	
Color housing black Material housing Plastic Locking material Zinc die-casting Mechanical data Mounting data 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 Material Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection dass can be ending orders. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Cable rigpe 3 Printing color of wire insulation white (isolation black) Jacket Color Type of Catificate cuHus Amount stranding I Stranding 3 wires twisted Mires twisted Mires twisted write arrangement black 2, green-yellow Traversing d	Coating locking	Nickeled
Color housing black Material housing Plastic Locking material Zinc die-casting Mechanical data Mounting data 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 Material Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection dass can be ending orders. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Cable rigpe 3 Printing color of wire insulation white (isolation black) Jacket Color Type of Catificate cuHus Amount stranding I Stranding 3 wires twisted Mires twisted Mires twisted write arrangement black 2, green-yellow Traversing d		
Material housing Plastic Locking material Zinc die-casting Mechanical data Mounting data 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 Inserted, screwed Inserted, screwed Note on strain relief Protect the connectors by suitable measures from mechanical bads, 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 Installation DiN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation [Cable Installation [Cable Installation [Cable] Cable identification 036 Installation [Cable] Installation [Salaton black] Type of Certificate cURus Installation Instere strained View or strainding 1 Stranding 1 Mistanding 3 wires twisted Iwires twisted Iwires transpresent black 1, black 2, green-yellow Taversing		black
Locking material Zinc die-casting Mechanical data Mounting data 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 ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity The connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Product standard DIN EN 61076-2-101 (M12). DIN EN 175301-803 (MSUD) Installation Cable Cable identification Gable identification 036 Cable identification 036 Cable identification 036 Cable identification 040 Type of Cartificate cJRus Amount stranding 1 Stranding 3 wires twisted Write insulation 10 m @ 25 °C horizontal Gable weight 56,1 g/m Material jacket		
Mechanical data Mounting data Mounting method inserted, screwed Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature may depending on cable quality Important installation notes 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 strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending forces. Conformity Important the force-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Observe the permissible bending radii wine laying cables, as the IP protection class can be ending forces. Cable identification 036 Observe the permissible force and the protection class can be ending forces. Type of Certificate cUPus Amount stranding 1 Streanding 3 wires twisted	¥	
Environmental characteristics Climatic 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 bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Installation Cable UN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Cable tiget Cable Type 3 Printing color of wire insulation while (isolation black) Jacket Color yellow 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 <td><u> </u></td> <td></td>	<u> </u>	
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 fies. 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. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Cable identification 036 Cable identification 036 Cable identification Ogé Certificate cURus Amount stranding 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 A Freedom from ingredients (jacket) 59.9 mm Chore rise stacket 90 ± 5 Shore A Freedom from ingredients (jacket)	Mounting method	inserted, screwed
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 radiu when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Cable identification Cable identification 036 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color yellow Type of Cartificate 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)	Environmental characteristics Climatic	
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 radiu when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Cable identification Cable identification 036 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color yellow Type of Cartificate 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)	Operating temperature min	-25 °C
Additional condition temperature range depending on cable quality Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Cable identification Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color yellow 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 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 % <td></td> <td></td>		
Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Cable identification Cable identification 036 Cable Type 3 Printing color of wire insulation white (isolation black) Jacket Color yellow 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 m Tolerance outer diameter (s		
Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Cable identification 036 Cable identification 036 Cable identification View of the insulation white (isolation black) Jacket Color yellow View of the insulation white (isolation black) Jacket Color yellow 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 Outer-diameter (jacket) 5,9 mm 5,9 mm Freedom from ingredients (jacket) 5,9 mm	· · · ·	
Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) Installation Cable Cable identification 036 Cable identification 036 Cable identification View of white (isolation black) Jacket Color yellow View of white (isolation black) Jacket Color yellow 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) 10 ± 5 % Material wire insulation PP P Strandian Strandian Strandian	Additional condition temperature range	
Product standardDIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)Installation CableCable identification036Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %	Additional condition temperature range Important installation notes	depending on cable quality
Product standardDIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD)Installation CableCable identification036Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %	Additional condition temperature range Important installation notes Note on strain relief	depending on cable quality 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
Installation CableCable identification036Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius	depending on cable quality 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
Cable identification036Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity	depending on cable quality 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.
Cable Type3Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacket90 ± 5 Shore AFreedom from ingredients (jacket)19 mmCerter of the strate (sheath)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard	depending on cable quality 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.
Printing color of wire insulationwhite (isolation black)Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)1ead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard	depending on cable quality 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.
Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)6,9 mmOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036
Amount stranding1Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3
Stranding3 wires twistedwire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black)
wire arrangementblack 1, black 2, green-yellowTraversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow
Traversing distance (C-track)10 m @ 25 °C horizontalCable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1
Cable weigth56,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 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)5,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow
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	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track)	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal
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	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR 90 ± 5 Shore A
Material wire insulation PP	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR 90 ± 5 Shore A
	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm
Amount wires 3	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 %
	Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation Cable Cable identification Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	depending on cable quality 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. DIN EN 61076-2-101 (M12), DIN EN 175301-803 (MSUD) 036 3 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 10 m @ 25 °C horizontal 56,1 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,9 mm ± 5 % PP

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: 2024-05-07



Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	±5%
Ingredient freeness wire insulation	70 ± 5 Shore D
5	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm²
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
Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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: 2024-05-07