

M8 male 0° / M12 female 0° A-cod.

PUR 4x0.25 gy UL/CSA+drag ch. 3m

$$\label{eq:malestraight} \begin{split} & \text{Male straight} - \text{female straight} \\ & \text{M8} - \text{M12}, \, \text{4-pole} \end{split}$$

M12, A-coded

Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

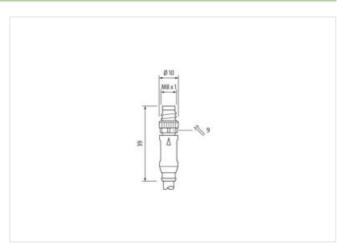
Plastic housings with good resistance against chemicals and oils.

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

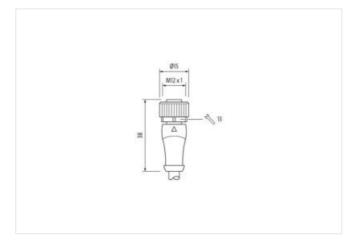
Link to Product

Illustration

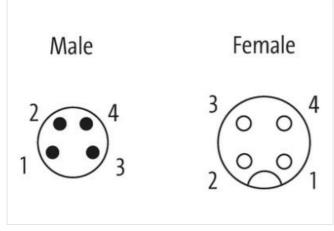












Product may differ from Image











Cable length	3 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	4
Width across flats	SW9
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
No. of poles	4
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311

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: 2024-05-16



stay connected

CFINA Apa8879310079 1	ETIM-5.0	EC001855
Packaging 1 1	customs tariff number	85444290
Electrical data Supply Operating voltage AC max. 50 V Operating voltage DC max. 60 V Operating voltage DC Max. 40 V Operating voltage DC Max. 40 V Operating voltage DC Max. 40 V Operating voltage DC (UL-islaed) 30 V Device protection Electrical Device protection Electrical Degree of protection protection degree 1585 PS7, IP88, IP86K Additional concilion protection degree 3 Rollston Degree 3 Rollston Degree 1,5 kV Method Internal data (Material data) Not Report (Electrical) Containg looking Nickeled Method gasket FKM Method gasket FKM Method gasket FKM Mechanical data Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. Operating temperature max. 25 °C Operating temperature max. 25 °C Actional condition temperature may. opportung temperature may. Note on strain relief Protect the connectors	GTIN	4048879310079
Operating voltage AC max. 50 V Operating voltage DC max. 60 V Operating voltage DC max. 40 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A Device protection [Enertical IPSE, IPSR,	Packaging unit	1
Operating voltage DC max. 69 Y Operating voltage AC (UL-lisided) 30 Y Operating voltage AC (UL-lisided) 30 V Operating voltage DC UL-lisided 30 V Operating voltage DC UL-lisided V Degree of protection (EN IEC 60529) IP68, IP67, IP68, IP6K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (EC 6064-1) 1 Machanical data Medral data V Coating locking Nickeled Material gasket FNM Material gasket FNM Mechanical data I Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating loproperature mix. Operating Interpreture mix. 25 °C Operating Interpreture mix. 25 °C Operating Interpreture mix. 85 °C Additional condition temperature mix. 85 °C Additional condition temperature mix. 85 °C Note on strain role! Protect the connectors by suitlable measures from mechanical loads, e.g. by	Electrical data Supply	
Operating voltage DC max. 69 Y Operating voltage AC (UL-lisided) 30 Y Operating voltage AC (UL-lisided) 30 V Operating voltage DC UL-lisided 30 V Operating voltage DC UL-lisided V Degree of protection (EN IEC 60529) IP68, IP67, IP68, IP6K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (EC 6064-1) 1 Machanical data Medral data V Coating locking Nickeled Material gasket FNM Material gasket FNM Mechanical data I Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating loproperature mix. Operating Interpreture mix. 25 °C Operating Interpreture mix. 25 °C Operating Interpreture mix. 85 °C Additional condition temperature mix. 85 °C Additional condition temperature mix. 85 °C Note on strain role! Protect the connectors by suitlable measures from mechanical loads, e.g. by	Operating voltage AC max.	50 V
Operating voltage AC (UL-listor) 30 V Operating voltage DC (UL-listor) 30 V Current operating per contact max. 4 A Device protection Electrical Device of protection (EN IEC 60529) IP65, IP67, IP88, IP68K Additional condition protection degree inserted, servewd Pollution Degree 3 Bated surge voltage 1.5 KV Material group IEC 60664-1) 1 Mechanical data Material data Nickeled Coating locking Nickeled Material pousing PUR Coating locking PUR Mochanical data Mounting data Nickeled Mechanical data Mounting data Vince decasting Mochanical data Mounting data Vince decasting Mounting method inserted, servewed, Shaking protection Environmental characteristics Climate Operating temperature min. Operating temperature min. 25 °C	· · · · ·	
Operating voltage DC (UL listed) 30 V Current operating per contact max. 4 A Pervice protection (EN IEC 60529) IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Publishon Degree 3 Rated surge voltage 1,5 kV Material group (IEC 606641) I Mechanical data, IMserial data Coating looking Nickeled Material gasket FKM Material proup (IEC 606641) I Locking material Zinc de castling Mechanical data IMserial data Coating looking Nickeled Material position of the protection of the pr		
Current operating per contact max. Device protection Effectival Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K Additional condition protection degree Inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Mechanical data Material data Coating looking Nickeled Material group (IEC 60664+1) I Mechanical data Material data Coating looking Nickeled Material gasket FKM Material prousing PUR Locking material Zincele-casting Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Purious Purious 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notics Important installation radius Purious Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Afterious Coendria Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Afterious Coendria Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Afterious Coendria Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Afterious Coendria Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Afterious Coendria Protect standard DIN EN 51076-2-101 (M12), DIN EN 51076-2-114 (M8) Installation Cable Cable identification 231 Cable identification 231 Cable identification 231 Cable identification 24 wires twisted Installation Celful Cable identification 24 wires twisted Installation Celful Cable identification 25 °C Carlie identification 25 °C Cable identification 25 °C Cable identification 25 °C Cable identification 25 °C Cable	· · · · · ·	30 V
Degree of protection Electrical P65, IP67, IP68, IP68K P68K P67K P68K P6		
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60684-1) 1 Mechanical data Material data Cataling locking Nickeled Material pasket FkM Material housing PUR Locking material Zinc die-casting Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. 25 °C 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. Altention: Observe the permissible bonding radiu when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product slandard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable (dentification 231 Cable (Type 3 Cable (Type 3 Cable (Sortificate URUs Amount stranding 1 Stranding 4 wires twisted Wires twisted PUR Shrone hardness jacket PUR Cable weigh 33 g/m Material packet PUR Cable weigh 34 g/m Material packet 50 s		
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60684-1) 1 Mechanical data Material data Cataling locking Nickeled Material pasket FkM Material housing PUR Locking material Zinc die-casting Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. 25 °C 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. Altention: Observe the permissible bonding radiu when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product slandard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable (dentification 231 Cable (Type 3 Cable (Type 3 Cable (Sortificate URUs Amount stranding 1 Stranding 4 wires twisted Wires twisted PUR Shrone hardness jacket PUR Cable weigh 33 g/m Material packet PUR Cable weigh 34 g/m Material packet 50 s	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Pollution Degree 3 Rated surge voitage 1,5 kV Material group (15 60664-1) 1 Mechanical data Material data		
Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Nickeled Material gasket FKM Material pasket FKM Material housing PUR Locking material Inciving data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climate Important installation notes Viter on bending radius depending on cable quality Important installation notes Note on bending radius Attention: Observe the permissible bending radii when laying cables, a.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, a.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, a.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, a.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, a.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, a.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, a.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, a.g. by the usage of cable ties. Attention: Observe the perm		· · · · · · · · · · · · · · · · · · ·
Mechanical data Material data Munting data Mechanical data Munting depending on cable quality Mechanical data Memperature max. 85 °C Moderating temperature max. 85 °C Moderating temperature max. Method depending on cable quality Memperature max. Mem		1.5 kV
Mechanical data Material data Nickeled Material gasket FKM Material pasket PKM Locking material Znc die-casting Mechanical data Mounting data Mechanical 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 lies. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 33 gm Atterition (rigakt) 4.5 mm<		<u> </u>
Coating locking Nickeled Material pasket FKM Material housing PUB Locking material Zino die-casting Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. -25 °C Operating temperature min. -25 °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 bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contently Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Standard (Cable identification) 231 Cable identification 24		
Material gasket FKM Material housing PUR Locking material Zinc die-casting Mechanical data Mounting data Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection 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. 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 61076-2-114 (M8) Installation Cable Cable identification 231 Cable of Type 3 Jacket Color gray Type of Certificate CURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 33 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Autourt diameter insulation PP		Nickeled
Material housing PUR Locking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Poperating temperature min.		
Locking material Zinc die-casting Mechanical data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes 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), DIN EN 61076-2-114 (M8) Installation Cable 231 Cable identification 231 Cable identification 231 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight	Material housing	PUR
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range eleganding 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 Important (Mile) Important (Mile) Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Important (Mile) Cable identification 231 Cable identification 231 Cable (Pype) 3 Jacket Color gray Type of Certificate cURUS Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 33 g/m Material jacket PUR Shore hardnes	Locking material	Zinc die-casting
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. 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 61076-2-114 (M8) Installation Cable Cable identification 231 Cable identification 231 Cable Type 3 Jacket Color gray Type of Certificate clurus during a 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 g/m Material jacket PUR Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) #5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Mechanical data Mounting data	
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 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 61076-2-114 (M8) Installation Cable Cable identification 231 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 33 g/m Material jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material wire insulation PP Amount wires 4 Amount wires 4 Amount suranding 9 25 Shore hardness jacket 9P Amount wire insulation PP Amount wires 4 Amount wires 4 Amount wire insulation PP Amount wires 5 Amount wires 5 Amount wire insulation PP Amount wires 6 Amount wires 7 Amount wires 6 Amount wires 6 Amount wires 7 Amount wires 8 A	Mounting method	inserted, screwed, Shaking protection
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. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable identification 231 Cable identification 231 Cable Identification 231 Cable Color gray Gurst Gurst Gurst Ype of Certificate cURus CURUS Amount stranding 1 Stranding 4 wires twisted Wire arrangement brown, black, blue, white Cable weight 33 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-cliameter (jacket) ± 5 % Amount wires 4 Outer diameter insulation <td>Environmental characteristics Climatic</td> <td></td>	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 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), DIN EN 61076-2-114 (M8) Installation Cable Cable identification 231 Cable identification 231 Cable Identification 231 Cable Color gray Gurst Gurst Gurst Ype of Certificate cURus CURUS Amount stranding 1 Stranding 4 wires twisted Wire arrangement brown, black, blue, white Cable weight 33 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-cliameter (jacket) ± 5 % Amount wires 4 Outer diameter insulation <td>Operating temperature min</td> <td>-25 °C</td>	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 DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable identification 231 Cable identification 331 Cable Type 3 3 Jacket Color gray Type of Certificate cURius Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Audurt diameter insulation 1,25 mm		
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 Binstallation Cable DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Cable identification 231 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4,5 mm Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	<u> </u>	
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable identification 231 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4,5 mm Cuter-diameter (jacket) ± 5 % Material wire insulation PP Amount wires 4 Amount wires 4 Amount wires 4 Amount wires 4 Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables.		
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 61076-2-114 (M8) Installation Cable Cable identification 231 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 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 % Material wire insulation PP Amount wires 4 Guter diameter insulation 1,25 mm	•	Protect 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 61076-2-114 (M8) Installation Cable Cable identification 231 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Installation CableCable identification231Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Conformity	
Cable identification 231 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Installation Cable	
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	Cable identification	231
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Cable Type	
Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Jacket Color	gray
Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Type of Certificate	
wire arrangement brown, black, blue, white Cable weigth 33 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Amount stranding	1
Cable weigth 33 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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Stranding	4 wires twisted
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mm	wire arrangement	brown, black, blue, white
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Cable weigth	33 g/m
Freedom from ingredients (jacket) Outer-diameter (jacket) 7 olerance outer diameter (sheath) Amount wires 4 Outer diameter insulation 1,25 mm	Material jacket	PUR
Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm	Outer-diameter (jacket)	4,5 mm
Amount wires 4 Outer diameter insulation 1,25 mm	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm	Material wire insulation	PP
· · · · · · · · · · · · · · · · · · ·	Amount wires	4
Outer diameter tolerance core insulation ± 5 %	Outer diameter insulation	1,25 mm
	Outer diameter tolerance core insulation	± 5 %



Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 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	3,6 A
Electrical resistance line constant wire	79 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 § 1090 UL 1581 § 1100 FT2
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