

## M12 male 0° / M8 female 0° A-cod.

PVC 4x0.25 gy UL/CSA 2.5m

Male straight - female straight

M12 - M8, 4-pole

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

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

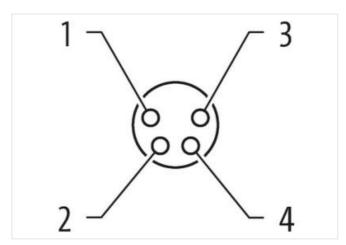
The resistance to aggressive media should be individually tested for your application. Further details on request.

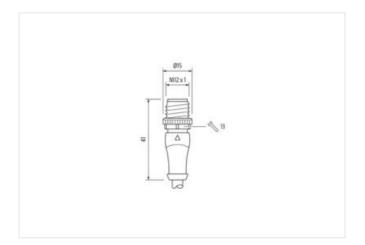
Further cable lengths on request.

## **Link to Product**

## Illustration





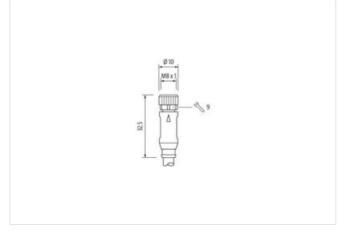






stay connected





Product may differ from Image











Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
	27279218
ECLASS-8.0	
ECLASS-9.0	27060311
	27060311 27060311



stay connected

ETMA-6.0 EC001855 custions traff number 8544290 GTN 4048979639565 Pacidaging unit 1  Electrical data   Supply  Operating voltage AC max. 50 V Operating voltage AC max. 50 V Operating voltage AC max. 60 V Operating voltage AC max. 64 A  Diagnostics  Status indication LED no Department of the Action of the Actio	ECLASS-12.0	27060311
coatoms tariff number         85444299           CTN         4048979683986           Packaging unit         1           Electrical data [Supply         50 V           Operating voltage AC max         50 V           Operating voltage AC (UL-lated)         30 V           Operating voltage AC (UL-lated)         30 V           Operating voltage AC (UL-lated)         30 V           Oursell voltage AC (UL-lated)         30 V           Oursell voltage AC (UL-lated)         30 V           Oursell voltage AC (UL-lated)         4 A           Diagnostics         VIII.           Status indication LED         no           Device protection [Electrical           Additional condition protection degree         inserted, screwed           Flintage voltage         1,5 kV           Maderial group (EC 000641)         1           Macrial policing (EC 000641)         1           Macrial glader         FOM           Coating policing         Nickeled           Coating policing         Nickeled           Coating policing         Nickeled           Mounting method         inserted, screwed. Shaking protection           Mounting and third activation interestry in the coating policing interestry in the coating protection interestry in		
Carrier   Carr		
Packaging unit         1           Electrical data I Suppty         50 V           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (U. listed)         30 V           Operating voltage AC (U. listed)         30 V           Outrent operating per contact max.         4 A           Description of CU. listed)           Description of Cultilisted (C. listed)           A Additional condition protection degree           Bistus indication LED         no           Device protection [Electrical           Additional condition protection degree         isserted, screwed           Political Control of Electrical           Additional Condition protection degree         isserted, screwed           Read surge voltage         1,5 kV           Makerial screw connection         Nokeled           Coenting Locking         Nokeled           Coenting Locking           Material screw connection         2 Inc dis-casting           Machinard Institution of Locking and Electrical Collimatic         Assertion of Collimatic           Operating temperature max.         25 °C           Additional condition temperature range	GTIN	
Pereint   Supply   Supple		
Operating voltage AC max.         50 V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-islaed)         30 V           Current operating per contact max.         4 A           Diagnostics         V           Situs indication LED         no           Device protection   Electrical         Modificand condition protection degree           Additional condition protection protection degree         3           Riaded surge voltage         1,5 kV           Machanical data   Material data         Inserted, screwed           Coating of fitting         nickeled           Coating of closing         Nickeled           Coating of closing         nickel plated           Material gasket         FKM           Locking material         2nc de-casting           Makerial gasket         FKM           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climate         Corecasting           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Note on bending radiu         depending on cable quality           Important installation notes         Attention: Observe t		
Operating voltage PC max.         60 V           Operating voltage AC (IU-listed)         30 V           Ournot operating voltage AC (IU-listed)         30 V           Ournot operating per contact max.         4 A           Palagenetics         Inside indication LED         no           Povice protection   Electrical         Additional condition protection degree         3           Rated surge voltage         1.5 kV           Material group (IEC 66664-1)         1           Mechanical data   Material data         Incomposition   Incompositio		FOV
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Diagnostics           Status indication LED         no           Device protection [lectrical]           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Machanical group (IEC 60684+1)         1           Mochanical data   Material data         Nickeled           Coating Jobsing         Nickeled           Coating Jobsing         Nickeled           Coating Jobsing         PKM           Material grace wonceron         Zinc die-casting           Material grace wonceron         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         William (Insert all Stations)           Mounting method         Inserted, screwed, Shaking protection           Environmental Characteristics   Cimatic         Cimatic           Environmental characteristics   Cimatic         Action (Insert all Stations)           Departing temperature min.         45 °C           Operating temperature min.         45 °C           Operating temperature min.         45 °C           Operating temperature min.         45 °C		
Status indication LED no  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) 1  Mechanical data   Material data  Machanical data   Material data  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Muculing method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature min25 °C  Operating temperature max. 85 °C  Controll 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 radid when laying cables, as the IP protection class can be endangered by excessive bending forces.  Contornity  Product standard District Collinatic  Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate CURus  Amount stranding 1  Standard Professional After Standard Curio Collinatic  Avies the substanding 1  Standard Professional After Standard Curio Collinatic  Cable identification 4  211  Cable Type 1  Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate CURus  Amount stranding 1  Standard Professional After Standard Curio Curio Collinatic  Cable wight After Standard Professional Cable William Curio Collinatic  Cable Standard Professional After Standard Curio		
Device protection   Electrical   Inserted, screwed		
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  Coating locking Nickeled  Coating locking nickel plated Material gasket FKM  Locking material Zinc die-casting  Material grave wonnection Zinc die-casting  Mechanical data   Mounting data  Micerial screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25° C  Operating temperature min. 25° C  Operating temperature may. 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.  Conformity  Product standard Din En 61076-2-101 (M12), DIN En 61076-2-114 (M8)  Installation   Cable    Cable identification   211  Cable Type   1  Lasket Color   gray  Type of Cartificate   CURus  Amount stranding   1  Stranding   4 wires twisted  wire arrangement   brown, black, blue, white    Cable weight   34,76 g/m    Material jacket   PVC  Shore hardness jacket   4,8 mm  Tolerance outer diameter (sheath)   ±5 %		no
Raled surge voltage 1,5 kV  Material group (IEC 60664-1) 1  Mechanical data   Material data Coating locking Nickeled Coating of fitting nickel plated Material screw connection Zinc die-casting Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature max. 25°C Operating temperature max. 85°C Additional condition temperature range depending on cable quality Important installation notes  Note on barding radius  Attention: Observe the permissible bending radii when laying cables, ag, 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 211  Cable identification 211  Cable identification 211  Cable identification 31  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weight 34,76 g/m  Material jacket PVC  Shore hardness jacket PVC  Shore hardness jacket PVC  Shore hardness jacket Readmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm	Device protection   Electrical	
Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data   Material data Coating locking   Nickeled Coating of fitting   nickel plated   Material gasket   FKM   Locking material   Zinc die-casting   Material gasket   FKM   Locking material   Zinc die-casting   Material serve vonnection   Zinc die-casting   Mechanical data   Mounting data   Mounting method   inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Deparating 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 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   1   Jacket Color   gray   Type of Certificate   CulRus   Amount stranding   1   Stranding   4 wires twisted   Wire arrangement   brown, black, blue, white   Cable weight   34,76 g/m   Material jacket   PC   Shore hardness jacket   65 ± 5 Shore A   Freedom from ingredients (jacket)   4,8 mm   Tolerance outer diameter (sheath)   4,5 %	Additional condition protection degree	· · · · · · · · · · · · · · · · · · ·
Meterial group (IEC 60664-1)    Mechanical data   Material data   Material glocking   Nickeled	Pollution Degree	-
Mechanical data   Material data         Nickeled           Coating locking         Nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Frotect 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 endagered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         211           Cable identification   2ble         211           Cable identification   2ble         211           Cable identification   2ble         211           Cable identification   2ble         2ble           Cable identification   2ble         2ble           Ca	Rated surge voltage	1,5 kV
Coating locking Nickeled Coating of litting nickel plated Material gasket FKM Locking material Zinc die-casting Material screw connection Zinc die-casting Methanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature min25 °C 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.  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   211  Cable Type   1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weight 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (sheath) ± 5 %	Material group (IEC 60664-1)	
Coating of fitting nickel plated Material gasket FKM Material gasket FKM Material gasket Zinc die-casting Material Serve connection Zinc die-casting 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 211  Cable Type 1  Jacket Color gray Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigh 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket)   Ead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Mechanical data   Material data	
Material gasket FKM Locking material Zinc die-casting  Material screw connection Zinc die-casting  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.  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 211  Cable Type 1 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigh 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket)   ead-free, cadmium-free, CFC-free, silicone-free  Cutler-diameter (jacket)   4.8 mm  Tolerance outer diameter (sheath) ± 5 %	Coating locking	Nickeled
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Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Concentrating 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 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         211           Cable identification         211           Cable identification         211           Jacket Color         gray           Type of Certificate         cuRus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigh         34,76 g/m           Material jacket         PVC           Shore Andress jacket         85 ± S Shore A           Freedom from ingredients (jacket)<	Material gasket	FKM
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         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         211           Cable identification         211           Cable identification         21 9           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weight         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket	Locking material	Zinc die-casting
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.  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 211  Cable Type 1  Jacket Color gray  Awount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) elead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (sheath) ± 5 %	Material screw connection	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 211  Cable Type 1  Jacket Color gray  Type of Certificate CURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Mechanical data   Mounting data	
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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 211  Jacket Color gray Type 1 1  Jacket Color gray Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	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.  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 211  Jacket Color gray  Type 1 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weight 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Operating temperature min.	-25 °C
Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 95 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	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.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Important installation notes	
endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Cable identification 211  Cable Type 1 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1 Stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Material and San and Park	
Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable   Cable identification 211  Cable Type 1 Jacket Color gray Type of Certificate cURus  Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Cable identification 211 Cable Type 1 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 34,76 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) ± 5 %	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Cable identification 211  Cable Type 1  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) ± 5 %	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Cable Type         1           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         34,76 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %	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.
Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Note on bending radius  Conformity  Product standard	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Note on bending radius  Conformity  Product standard	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 61076-2-114 (M8)
Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Note on bending radius  Conformity  Product standard  Installation   Cable	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 61076-2-114 (M8)
Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification	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 61076-2-114 (M8)
wire arrangement brown, black, blue, white  Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type	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 61076-2-114 (M8)  211 1 gray
Cable weigth 34,76 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color	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 61076-2-114 (M8)  211 1 gray cURus
Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) ± 5 %	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate	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 61076-2-114 (M8)  211 1 gray cURus 1
Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding	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 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted
Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket)  4,8 mm  Tolerance outer diameter (sheath)  ± 5 %	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding	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 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white
Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement	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 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m
Tolerance outer diameter (sheath) ± 5 %	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth	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 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC
	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket	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 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A
Material wire insulation PVC	Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	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 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm
	Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	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 61076-2-114 (M8)  211  1  gray  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm  ± 5 %



Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
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