

## M12 male 0° / M12 female 0° A-cod.

PUR AWG24+22 shielded vt UL/CSA+drag ch. 4.05m

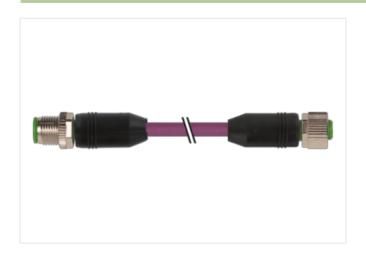
DeviceNet, CANopen Male straight – female straight M12 – M12, 5-pole A-coded shielded

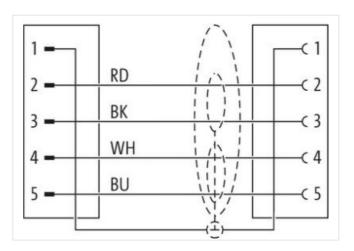
Plastic housings with good resistance against chemicals and oils.

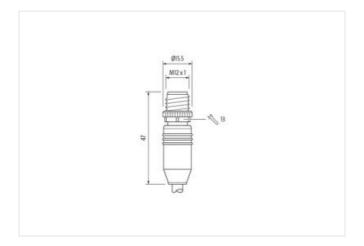
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

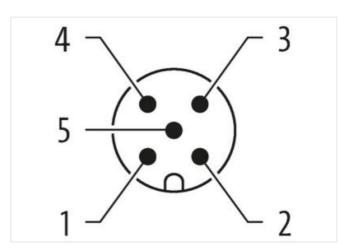
## **Link to Product**

## Illustration



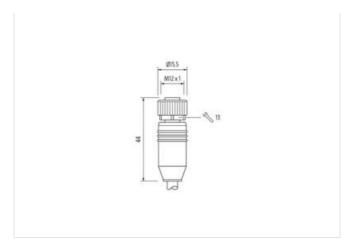


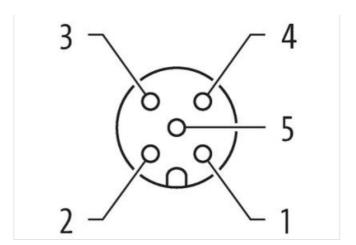






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Product may differ from Image















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Cable length	4,05 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	A
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307

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: 2024-06-26



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Sef44280		
CITM         4948879903875           Packoging and 1         1           Electrical data   Supply         Coperating voltage AC max.         80 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Mounting set         M12 x 1           Device protection   Electrical         M12 x 1           Additional condition protection degree         Installation   Connection           Publishor Degree         3           Read surge voltage         1.5 kV           Material group (IEC 60064-1)         1           Mechanical data         Mine of your (IEC 60064-1)         1           Mechanical data   Material data         Mine of your (IEC 60064-1)         1           Mechanical data   Material data         Mine of your (IEC 60064-1)         Nickeled           Contain you for compaled hose         without         Wine of your (IEC 60064-1)         Nickeled           Coating of lifting         Nickeled         Mine of your (IEC 60064-1)         Product data (IEC 60064-1)         Product data (IEC 60064-1)           Mechanical data   Material data         FKM         Accidence of your device of		
Packaging unit		
Electrical data   Supply         Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M02 x 1           Device protection   Electrical         V           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Ratiod surge voltage         1,5 kV           Material group (IEC 60064-1)         1           Mechanical data         Without           Control for corrugated hose         without           Mechanical data   Material data         M02 calculated   M02 calcu		
Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Ourrent operating per contact max.         4 A           Installation [Comection         M12 x 1           Device protection   Electrical         M2 distinct of protection of gree           Follution Degree         3           Radidional condition protection degree         inserted, screwed           Follution Degree         3           Radid suge voltage         1,5 kV           Mechanical data         Vibrout Material group (IEC 60664-1)           Mechanical data   Mounting data         Nickeled           Control for corrugated hose         Nickeled           Coating of lifting         nickel placed           Mechanical data   Mustrial data         FKM           Locking material         Zinc die-casting           Mounting method         Inserted, screwed, Shaking protection           Environmental characteristics   Climate         Coperating temperature min.           Operating temperature min.         25 °C           Operating temperature min.         45 °C           Operating temperature min.         Protect the connectors by suitable measures from mechani	Packaging unit	1
Operating voltage PC max         66 V           Operating voltage PC (IU-listed)         30 V           Operating voltage PC (IU-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection diagree         3           Pollution Diagree         3         9           Rated sugs voltage         1.5 kV           Metania group (EC 60684-1)         I           Mechanical data         Without Microbian without Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         Nickel plated           Mechanical data   Material data   Material data   Material gasker         FKM           Locking material         Zinc die-casting           Material grower onnection         Zinc die-casting           Mechanical data   Material gasker         FKM           Locking material         Zinc die-casting           Mutting method         inserted, screwed, Shaking protection           Environmental characterials   Climatic         Protect die casting           Poperating temperature mix.         25 °C           Additional condition temperature max.         85 °C <td>Electrical data   Supply</td> <td></td>	Electrical data   Supply	
Operating voltage AC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Cennection         Will X x 1           Mounting set         MEX x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Meterial group (EC 60684-1)         i           Mechanical data         Will but in Micro Control or Corrugate dose           Michanical data   Micro Corrugate dose         without           Mechanical data   Micro Corrugate dose         without           Coating of litting         nickel plated           Marcinal gasket         FKM           Coating of litting         nickel plated           Marcinal gasket         FKM           Locking material         Zinc die-casting           Mechanical data   Mounting data         mickel plated           Mucring method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature	Operating voltage AC max.	60 V
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Installation   Connection   C	Operating voltage DC max.	60 V
Current operating per contact max.         4 A           Installation   Connection         Mil 2 x 1           Device protection   Electrical         Additional condition protection degree         inserted, screwed           Additional condition protection degree         inserted, screwed           Follution Degree         3         3           Rated surge voltage         1,5 kV           Material group (EC 60064-1)         I           Mechanical data         Control or corrugated hose         without           Mechanical data   Material data         Nickeled           Coating toking         Nickeled           Coating toking         Nickeled           Coating toking         Nickeled           Coating toking         Nickeled           Material screw connection         Zin die casting           Material screw connection         Zin die casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Province mental characteristics   Climatic         Coating         Coating temperature min.         25 °C           Operating temperature max.         85 °C         Coating temperature max.         85 °C           Operating temperature max.         85 °C         Coating temperature max.         85 °C	Operating voltage AC (UL-listed)	30 V
Installation   Connection         Multiply at the connection   Electrical           Additional condition protection degree         Inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Meetanical data         Without           Mechanical data         Without           Contour for corrugated hose         without           Mechanical data   Material data         Without           Coating locking         Nickeled           Coating of titting         nickeled           Material speaked         FKM           Locking material         Zimc die-casting           Methanical data   Municipal data         Without die-casting           Mechanical data   Municipal data         Without die-casting           Multimity (amperature min.)         25 °C           Operating temperature min.         25 °C           Additional condition temperature max.         85 °C           Note on strain reli	Operating voltage DC (UL-listed)	30 V
Mounting set M12 x 1  Pevice protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Controur for corrugated hose without  Mechanical data   Material data  Coating locking nickel plated  Material gasket FKM  Locking material Zinc disc-asting  Material gasket FKM  Mounting material Zinc disc-asting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Environmental condition temperature min. 95 °C  Operating temperature min. 85 °C  Additional condition temperature range depending on cable quality  important installation notes  Note on bending radius Attention. Observe the permissible bending radii when laying cables, as the IP protection class can be contaggered by screesive bending forces.  Conformity  Product standard (white, blue), (black, red)  Cable identification Signature (white, blue), (black, red)  Cable identification (2Dele  viron arrangement (white, blue), (black, red)  Cable identification (2Dele  viron arrangement (white, blue), (black, red)  Cable identification (2Dele  viron arrangement (White, blue), (black, red)  Cable identification (2Dele  viron arrangement (White, blue), (black, red)  Cable identification (2Dele  viron arrangement (White, blue), (black, red)  Cable identification (2Dele  viron arrangement (2Dele	Current operating per contact max.	4 A
Device protection   Electrical   Inserted, screwed   Inserted, screwed   Inserted, screwed   Inserted   Inse	Installation   Connection	
Additional condition protection degree inserted, screwed  Pollution Degree 3  1,5 kV  Material group (IEC 60664-1) 1  Mechanical data  Contour for corruptated hose without  Mechanical data   Material data  Coating for fitting nickel plated  Material gasket FKM  Atterial gasket FKM  Material gasket FKM  Material gasket FKM  Material gasket FKM  Material gasket Size of diseasting  Material screw connection Zize diseasting  Material	Mounting set	M12 x 1
Pollution Degree   3   Rated surpe voltage   1,5 kV	Device protection   Electrical	
Pollution Degree   3   Rated surpe voltage   1,5 kV	Additional condition protection degree	inserted screwed
Rate is urge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         without           Mechanical data   Material date         Without           Coating olcking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature man.         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 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         Intention (bit is the permissible permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity		· · · · · · · · · · · · · · · · · · ·
Material group (IEC 60664-1)         I           Mechanical data         Wethanical data   Material data           Contour for corrugated hose         without           Mechanical data   Material data         Wethanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Metarial screw connection         Zinc die-casting           Metarial data   Mounting data         Mounting method           Environmental characteristics   Climatic         Fermany           Operating 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         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.           Product standard         DIN EN 61076-2-101 (M12)           Installation (Cable)           wire arrangement         (white, blue), (black, red)		
Mechanical data           Continuir for corrugated hose         without           Mechanical data   Material data           Coating locking         Nickeled           Coating of litting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material store connection         Zinc die-casting           Mechanical data   Mounting data         Wechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating 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)           Installation Cable         wire arrangement         (white, blue), (black, red)           Cable colori         violet           Type of Certificate		,- 
Contour for corrugated hose without  Mechanical data   Material data Coating locking Nickeled Coating of fitting nickel plated 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.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red) Cable identification 803 Jacket Color violet Type of Certificate cURsus Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) 0 copper braid, finned Cable identific (towerage) 65 % Banding Foil		
Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           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         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature many.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Stract   Stream   St		296-21
Coating locking Nickeled Coating of fitting nickel plated Material gasket PKM  Locking material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature mape 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)  Installation   Cable  wire arrangement (white, blue), (black, red) Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding (type 2) 1  Stranding (type 2) 2  Stranded proving time of the conpector of the conpector of the conformative time of the		without
Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Wechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Installation   Cable           wire arrangement         (white, blue), (black, red)           Gable Identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)	Mechanical data   Material data	
Material gasket         FKM           Locking material         Zinc die-easting           Material screw connection         Zinc die-easting           Mechanical data   Mounting 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         BIN EN 61076-2-101 (M12)           installation   Cable         Installation   Cable           wire arrangement         (while, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         URus           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twist	Coating locking	Nickeled
Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Vote on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Write arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         CURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)	Coating of fitting	nickel plated
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.	Material gasket	FKM
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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2   2 Stranded joints twisted  Cable shielding (coverage) 55 %  Banding Foil	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.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 2 Stranded joints twisted  Cable shielding (type 2) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Mechanical data   Mounting data	
Operating temperature min. Operating temperature max. 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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shelding (coverage) 65 %  Banding Foil	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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Operating temperature min.	-25 °C
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil	Operating temperature max.	85 °C
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable         Installation   Cable           wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         1           Stranding (type 2)         2 Stranded joints twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         65 %           Banding         Foil	Additional condition temperature range	depending on cable quality
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)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil		
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (coverage) 65 %  Banding Foil	•	Protect the connectors by suitable measures from mechanical leads, a.g. by the usage of cable ties
Conformity Product standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement (white, blue), (black, red) Cable identification 803 Jacket Color violet Type of Certificate cURus Amount stranding 1 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (coverage) 65 % Banding Foil		
Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Note on bending radius	
wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Conformity	
wire arrangement (white, blue), (black, red)  Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Product standard	DIN EN 61076-2-101 (M12)
Cable identification 803  Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Installation   Cable	
Jacket Color violet  Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	wire arrangement	(white, blue), (black, red)
Type of Certificate cURus  Amount stranding 1  Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Cable identification	803
Amount stranding 1 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil	Jacket Color	violet
Stranding 2 wires twisted  Amount stranding (type 2) 1  Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Type of Certificate	cURus
Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 65 % Banding Foil	Amount stranding	t
Stranding (type 2) 2 Stranded joints twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 65 %  Banding Foil	Stranding	2 wires twisted
Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     65 %       Banding     Foil	Amount stranding (type 2)	t
Cable shielding (coverage) 65 % Banding Foil	Stranding (type 2)	2 Stranded joints twisted
Banding Foil	Cable shielding (type)	copper braid, tinned
	Cable shielding (coverage)	65 %
Drain wire (cross-section) 22 AWG	Banding	Foil
	Drain wire (cross-section)	22 AWG

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stay connected

wire arrangement	(ubita blue) (black rad)
wire arrangement	(white, blue), (black, red)
Cable weigth	63,12 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)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE .
Amount wires	2
Outer diameter insulation	2,1 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Drain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	± 53 %
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	1 Mio.
Traversing distance (C-track)	5 m

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Travel speed (C-track)	3 m/s	
No. of torsion cycles	2 Mio.	
Torsion stress	± 30 °/m	
Torsion speed	35 cycles/min	