

## M12 male 0° / M12 female 0° A-cod.

PUR AWG24+22 shielded vt UL/CSA+drag ch. 4m

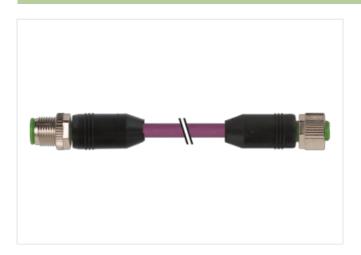
DeviceNet, CANopen Male straight – female straight M12 – M12, 5-pole A-coded shielded

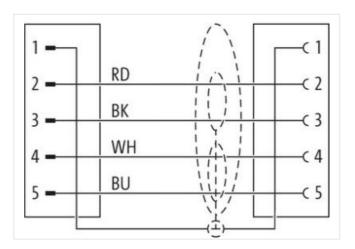
Plastic housings with good resistance against chemicals and oils.

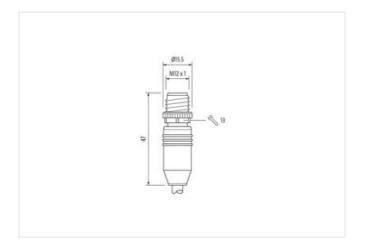
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

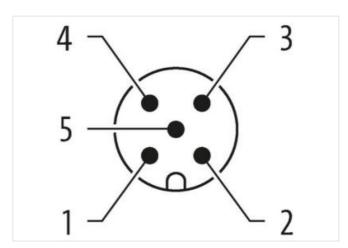
## **Link to Product**

## Illustration



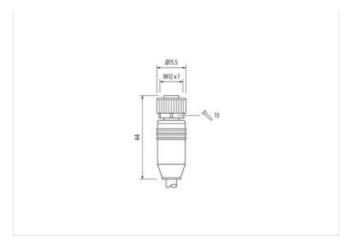


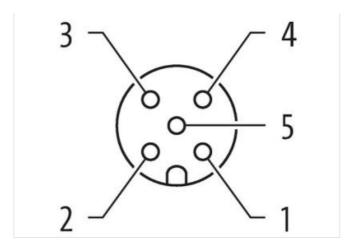






stay connected





Product may differ from Image













DeviceNet



Cable length	4 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
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stay connected

ECL ASS 1-2.0         27760007           ECM 1985 - 12.0         EC001985           customs sailf number         65444890           GTN         404889716498           Peckaging until         1           Electrical data   Supply         60 V           Operating voltage AC max.         60 V           Operating voltage DC Max.         60 V           Operating voltage DC GUL 468401         30 V           Operating voltage DC GUL 468402         30 V           Operating voltage DC GUL 468401         30 V           Operating voltage DC GUL 468402         30 V           Operating voltage DC GUL 468402         4 A           Mounting set         M12 x 1           Publish Doporo         3           Rated surge voltage Control for c	50,400,400	0700007
Description tariff number   Se444990   Se710		
Packaging unit   1   1   1   1   1   1   1   1   1		
Peaceting youtling AD arms.         60 Y           Operating youtlage AD arms.         60 Y           Operating youtlage AD Cmax.         60 Y           Operating youtlage AD CILL listed)         30 Y           Operating youtlage AD CILL listed)         30 Y           Current operating per contact max.         4 A           Installation I Connection         M12 x 1           Device protection [Electrical]         M2 X           Additional contillon protection degree         isserted, screwed           Pollution Dogice         3           Rated surge votage         1,5 kV           Machanical data         The Control of comugated hose           Mechanical data         without           Control of comugated hose         without           Mechanical data [Meterial data]         The Control of comugated hose           Mechanical data [Meterial data]         Incidence and control of the Control of the Control of Control		
Electrical data   Supply         Operating voltage AC max.         60 V           Operating voltage AC (ILL-listed)         30 V           Unrest operating per ornatiz max.         4 A           Installation   Connection         MIX x I           Device procedion   Electrical         Very Control   Process		
Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-slade)         30 V           Operating voltage DC (UL-slade)         30 V           Current operating per comiact max.         4 A           Installation (Connection)         M12 x 1           Device projection   Electrical         M24 Miles (Alleman Mark)           Additional condition protection degree         inserted, screwed           Follution Degree         3           Ratid surp voltage         1,5 kV           Machanical data         Without           Machanical data   Multiration of corrugated hose         without           Machanical data   Multiration of corrugated hose         Nickeled           Coating focking         Nickeled           Coating focking         Nickeled           Coating of litting         nickel plated           Material gasset         FKM           Locking material         Zinc die casting           Material gasset         FKM           Locking material         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Correcting temperature inserted           Coperating temperature inserted         25 °C           Operating temperature max <td>Packaging unit</td> <td>1</td>	Packaging unit	1
Operating voltage PC (max.         60 V           Operating voltage PC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Current Operating per contact max.         4 A           Installation I Connection         Mounting set         M12 x 1           Perice protection   Electrical         Additional condition protection degree         3           Pollution Degree         3         9           Rated sugge voltage         1,5 kV           Macterial group (EC 60664-1)         I           Mechanical data         Without           Mechanical data   Material data         Without           Coating bothing         Nickelide           Coating forting         nickel plated           Material gasket         FKM           Locking material         Zinc dio casting           Material gasket         FKM           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Environmental characteristics   Climatic           Operating imperature mix.         25 °C           Operating imperature mix.         85 °C           Additional condition temperature range         depending on cable quality           Operating in gradius         <	Electrical data   Supply	
Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UI-listed)         30 V           Current operating per contact max.         4 A           Institution   Connection         Mounting set           Mounting set         MT2 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Mechanical data         Without Control for correction and the control of correction of protection degree         without Control for correction and control of correction and control for correction and control of correction and control for correction and control of correction and correction and control of correction and correct	Operating voltage AC max.	60 V
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mounting set           Mounting set         M12 x 1           Powice protection   Electrical         Additional condition protection degree inserted, screwed           Pollution Degree         3           Rated surge voltage         1.5 kV           Material group (EC 60664-1)         1           Mechanical data         Control for corrugated hose without           Mechanical data         Michael General Material gasket           Coating obeling         nickel plated           Coating obeling         nickel plated           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Zinc die-casting           Mechanical data   Mounting data         Si °C           Coperating temperature max.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Note on bending radiu	Operating voltage DC max.	60 V
Current operating per contact max.         4 A           Installation   Connection         Mile x 1           Owniting set         M12 x 1           Device protection   Electrical         Additional condition protection degree         inserted, screwed           Additional condition protection degree         inserted, screwed           Foilution Degree         3.5 kV           Malaretial group (IEC 60664-1)         I           Mechanical data         Without Control or corruptated hose         without           Mechanical data   Material data         Nickeled           Coating Doking         Nice	Operating voltage AC (UL-listed)	30 V
Installation   Connection         Mil2 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raced surge voltage         1,5 kV           Macerial group (IEC 6664+1)         1           Mechanical data         without           Control for corruptated hose         without           Mechanical data   Material data         Without           Coating folding         Nickeled           Casing of fitting         nickele plated           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Municipal data         Mechanical data   Municipal data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature max.           Operating temperature max.         25 °C           Additional condition temperature max.         85 °C           Additional condition temperature max.         45 °C           Action 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 cabl	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 60684-1) I  Mechanical data   Material data  Controur for corruptated hose without  Mechanical data   Material data  Coating looking Nickeled  Coating looking nickel plated  Material gasket FKM  Locking material Zimc diec-assing  Mechanical data   Mounting data  Material grown connection Zimc diec-assing  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Inspection constitution notes  Action constitution of the measures from mechanical loads, e.g. by the usage of cable lites.  Attention: Observe the permissibile bending radii when laying cables, as the IP protection ciass can be ordered and the permissibile bending radii when laying cables, as the IP protection ciass can be ordered and the permissibile bending radii when laying cables, as the IP protection ciass can be ordered and the permissibile bending radii when laying cables, as the IP protectio	Current operating per contact max.	4 A
Device protection   Electrical   Inserted, screwed	Installation   Connection	
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge votage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data           Coating of fitting         nickele plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Meuting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Coperating temperature max.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         peedering 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.           Conformity           Product standard         (white, blue), (black, red)           Cable intelliction   Cable         vicele <td>Mounting set</td> <td>M12 x 1</td>	Mounting set	M12 x 1
Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge votage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data           Coating of fitting         nickele plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Meuting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Coperating temperature max.         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         peedering 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.           Conformity           Product standard         (white, blue), (black, red)           Cable intelliction   Cable         vicele <td>Device protection   Electrical</td> <td></td>	Device protection   Electrical	
Foliution Degree         3           Rated surge voitage         1,5 kV           Material grour (ES 60684-1)         1           Mechanical data         Vincince of corrugated hose           Whochanical data (Material data)         Vincince of cata (Material data)           Coating locking         Nickeled           Coating locking and iting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data (Mounting data)         Vinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics (Dimatic         25° C           Operating temperature min.         25° C           Operating temperature max.         85° C           Additional condition temperature range         depending on cable quality           Important installation notes         Vincince in seried (Series) suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radiu         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endanged to yeccesive bending forces.           Conformity         Installation (Cable (White, blue), (black, red)           Cable identification (Abbic)		inserted screwed
Rate of group (IEC 60664-1)         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         without           Mechanical data   Material data         Without           Coating of litting         Nickeled           Coating of litting         nickel plated           Material sasket         FKM           Locking material         Zinc die-casting           Material sorew connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature man.         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 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         Wire arrangement         (white, blue), (black, red)           Cable identification         803           Jacker Color         violet </td <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>		· · · · · · · · · · · · · · · · · · ·
Machaical data         Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data         Wechanical data   Material data           Coating folding         Nickeled           Coating folding         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material sorew connection         Zinc 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           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Inportant 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.           Cotomity         Winder 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)           Installatio		
Mechanical data         without           Mechanical data   Material data         Mechanical data   Material data           Coating locking         Nickeled           Coating filting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material space wonnection         Zinc die-casting           Mechanical data   Mounting data         Wischarical serve connection           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature range         depending on cable quality           Important installation notes         S°C           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         Froduct 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)         2 stranded joints twisted           Cable ishelding (typ		
Contour for corrugated hose without  Mechanical data   Material data  Coating of litting 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   Cilimatic  Poperating 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 (type 2) 1  Stranding (type 2) 2  Stranding (type 2) 2  Cable shielding (coverage) 65 %  Banding Fill		•
Mechanical data   Material data           Coating locking         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         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature man.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Streat the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on brain 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 enchangered by excessive bending forces.           Conformity         Product standard         (bil En 61076-2-101 (M12)           Installation   Cable         (white, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         cul'Rus <td></td> <td></td>		
Coating locking Nickeled Coating of fitting nickel plated Material gasket FKM Material gasket FKM Material gasket Zinc die-casting Material screw connection 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 min. 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 1  Stranding 1 2 wires twisted  Amount stranding (type 2) 1 1  Stranding (type 2) 2 2 Stranded joints twisted  Cable isdeniting (type) cooper braid, tinned  Cable isdeniting (type) 56 %  Banding Foli	Contour for corrugated hose	without
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         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)           Cable identification         803           Jacket Color         violet           Type of Certificate         URUS           Amount stranding         1           Stranding         2 wires twisted           Amount stranding (type 2)         2 Stranded joints twisted           C	Mechanical data   Material data	
Material gasket         FKM           Locking material         Zinc die-easting           Material screw connection         Zinc die-easting           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         End of the connectors with the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Installation   Cable           Installation   Cable         End (White, blue), (black, red)           Cable identification         803           Jacket Color         violet           Type of Certificate         URus           Amount stranding (type 2)         1           Stranding (type 2) </td <td>Coating locking</td> <td>Nickeled</td>	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         Atention: 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
Material 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 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         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)	Material gasket	FKM
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	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)  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.  About 1 standard motes  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  3acket Color  violet  Type of Certificate  Amount stranding  1  Stranding  2 wires twisted  Amount stranding (type 2)  Cable shielding (type 2)  Cable shielding (coverage)  65 %  Banding  Foil	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.  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	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.  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           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           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		
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Rote on bending radius 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	-	
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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	1
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)	1
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	(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 PE
Amount wires	2
Outer diameter insulation	2.1 mm
Outer diameter 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 22 AWG
Drain wire (cross-section)	=
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	