

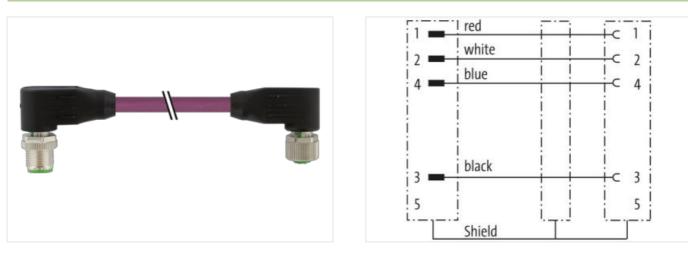
## M12 male 90° / M12 female 90° B-cod. shielded

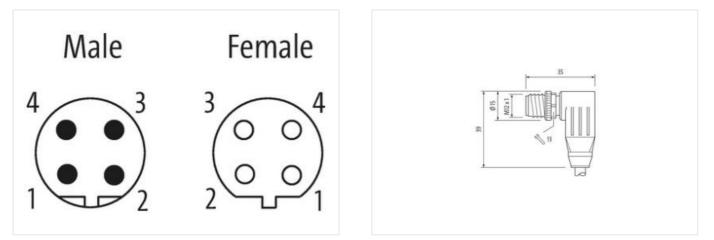
PUR AWG24+22 shielded vt UL/CSA+drag ch. 5m

Male 90° – female 90° M12 – M12, 4-pole B-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.

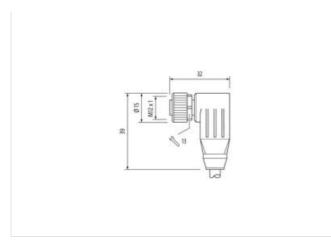
## Link to Product











Product may differ from Image



Cable length	5 m	
Side 1		
Tightening torque	0,6 Nm	
Mounting method	inserted, screwed	
Family construction form	M12	
Thread	M12 x 1	
Coding	В	
Material	PUR	
No. of poles	4	
Width across flats	SW13	
Side 2		
Tightening torque	0,6 Nm	
Mounting method	inserted, screwed	
Family construction form	M12	
Thread	M12 x 1	
Coding	В	
Material	PUR	
No. of poles	4	
Commercial data		
ECLASS-6.0	27061801	
ECLASS-6.1	27060307	
ECLASS-7.0	27060307	
ECLASS-8.0	27060307	
ECLASS-9.0	27060307	
ECLASS-10.1	27060307	
ECLASS-11.1	27060307	
ECLASS-12.0	27060307	
ETIM-5.0	EC001855	
customs tariff number	85444290	
GTIN	4048879141628	
Packaging unit	1	
Electrical data   Supply		

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21

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Capacing voltage Conax60 VOperating voltage CO Lut Isolan)50 VOperating voltage CO Lut Isolan)50 VOurse operation por context max,4 ADevice protection [Electrical]100 VDevice protection (Electrical)100 VDevice protection (Electrical)100 VDevice protection (Electrical)100 VDevice protection (Electrical)100 VAdditional condition protection dispeserestrical, crewedPational Degree (Device) (Electrical)10 VHadersay groups15 AVMaterial group (Electrical)10 VDevice protection (Electrical)20 VDev	Operating voltage AC max.	60 V
Operating vortage AC (UL-isted)     90 V       Operating vortage AC (UL-isted)     80 V       Convert operating por contact max.     4 A       Device op totection (FNIE 65:053)     IP67       Additional condition protection degree     isserted, screwed       Pollution Degree     3       Restard ango vortage     1.5 AV       Maintal group (IEC 60064-1)     1       Mechanical data     Mechanical data       Contaur for corrugated hose     without       Mechanical data     Mechanical data       Mounting metho     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating tomproteure max.       Device in stimic     85 °G       Additional notes     Note on thermine with the screwed base dualative measures from mechanical loads, e.g. by the usage of cable feet.       Note on thermine with the logic data feet measures from mechanical loads, e.g. by the usage of cable feet. <td< td=""><td></td><td></td></td<>		
Operating per contact max.     4 A       Device protection [Electrical     Envice protection [CN IEC 06020]       Degree of protection (EN IEC 06020)     IP67       Additional conting protection degree     inserted, screwed       Pullution Degree     3       Rated argue viltage     1.5 kV       Mechanical data     Contour for corrugated hose       Without Mechanical data     Contour for corrugated hose       Mechanical data     Zor coile casting       Mechanical data     Inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Contouring temperature max.       Operating temperature max.     85 °C       Operating temperature max.     85 °C       Operating temperature max.     85 °C       Additional contist     Automicro Courte the connectors by suitable measures from mechanical loads, e.g. by the usage of cable itee.       Note on benching radue     Operating temperature max.       Contomity		
Current operating per contant max.     4 A       Device protection (Electrical       Device of protection (EN EC 6058-1)     IP67       Addition condition protection digree     is a       Rated surge voltage     3 A       Rated surge voltage     1.5 kV       Material group (IEC 6088-1)     I       Mechanical data     Mechanical data       Control for compatied hose     without       Mechanical data     Mechanical data       Costing locking     Nickeled       Locking method     inserted, sorewed, Shaking protection       Environmental characteristics (Clamatic     Every compatie there in the sorewed of the some control by suitable measures from mechanical locad, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical locad, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical locad, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical locad, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical locad, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by sui		
Device protection   Electrical     IP67       Degree of protection (EN EC 60529)     IP67       Additional condition protection degree     Isaeted, screwed       Pollution Degree     3       Eaded surge vidige     1.5 IV       Methed group (EC 60664-1)     I       Methed group (EC 60664-1)     In       Method In Ender Group (EC 60664-1)     In       Method In Ender Group (EC		
Depree of protection (EN IEC 80529)     IP67       Additional condition protection degree     inserted, screwed       Rated zupe voltage     1       Mechanical def S066641)     1       Mechanical def S0666410     Inserted, screwed, Staking protection (S0666410)       Mechanical def Metrial data     Inserted, screwed, Staking protection (S0666410)       Contagn colong protection (S0666410)     Inserted, screwed, Staking protection       Mechanical data [Mounting data     Inserted, screwed, Staking protection       Multing method     Inserted, screwed, Staking protection       Environmental characteristics [Climatic     So C       Operating temperature min.     25 °C       Operating		4 A
Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (EC 6066-1)     1       Material group (EC 6066-1)     1       Material group (EC 6066-1)     1       Material data     Contur for corrugated hose     without       Material cata     Material data     Contur for corrugated hose       Material poly     Nickeled     Conturg for corrugated hose       Material data (Mounting data     Inserted, screwed, Shaking protection       Material facta (Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics (Climatic     Correcting temperature max       Operating temperature max     85 °C       Additional condition temperature max     depending on cable quality       Important installation notes     Inserted, screwed, Shaking protection gradit wen kying cables, as the IP protection class can be antidargend by screassive barding fradit wen kying cables, as the IP protection class can be antidargend by screassive barding fradit wen kying cables, as the IP protection class can be antidargend by screassive barding fradit wen kying cables, as the IP protection class can be antidargend by screassive barding fradit wen kying cables, as the IP protection class can be antidargend by screassive barding fradit wen kying cables, as the IP pro	Device protection   Electrical	
Pallation Degree     3       Rated surge voltage     1,5 kV       Material group (ECC 60664-1)     1       Mechanical data        Contour for corrugated hose     without       Mechanical data        Coating locking     Nickeled       Coating locking     Nickeled       Coating material     Zinc die-casting       Mechanical data        Mechanical data        Mechanical data        Coating locking     Nickeled       Locking material     Zinc die-casting       Mechanical data        Operating temperature min.     25 °C       Operating temperature range     depending on cable quality       Important installation notes        Note on sharin relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable flee.       Note on sharin relief     Note 1016-8-101 (M12)       Installation flobe        wire arrangement     (white, blue), (black, red)       Caster daimfication     803       Caster daimfication     803		IP67
Reted surgevoltage     1,5 kV       Material group (EC 60664-1)     I       Mechanical data     Without       Contour for corrupated hose     without       Mechanical data   Material data     Zoot de casting       Coating tocking     Nickeled       Coating tocking     Zine de casting       Mechanical data   Mounting data     Zine de casting       Mourting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Climatic       Operating temperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Mitoritic: Observine the presense the measures from mechanical loads, e.g. by the usage of cable letes.       Nole on strain reliaf     DIVE NE 61076-2-101 (M12)       Installation (Cable     UNEN 61076-2-101 (M12)       Installation (Cable     Viela       Viela Cable dendification     93       Jacket Color     viela       Type of Catification     049       Additional condition     93       Jacket Color     viela <tr< td=""><td>Additional condition protection degree</td><td></td></tr<>	Additional condition protection degree	
Material group (IEC 60064-1)     I       Mechanical data     without       Contour for corrugated hose     without       Mechanical data     Mechanical data       Coaling looking     Nickeled       Coaling looking     Nickeled       Mechanical data   Muenting data     Mechanical data   Muenting data       Mechanical data   Muenting data     Inserted, screwed, Shaking protoction       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Meterion: Obsense the parmissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Meterion: Obsense the parmissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.       Color     DIN EN 61076-2-101 (M12)       Installion Cable     wite arrangement       wite arrangement     (white, blue), (black, red)       Cable iolentification     630       Jacket Coor     violet       Type of Certificate     CJMs       Around stranding (type 2)		-
Mechanical data     without       Contour for corrugated hose     without       Mechanical data   Material data     Contour for corrugated hose       Contain looking     Nekeled       Looking material     Zinc die casting       Mechanical data   Mounting data     Inserted, serewed. Shaking protection       Environmenial characteristics (Climatic     Formation and protection (Control of Control of		1,5 kV
Contour for ourugated hose     without       Coating locking     Nickeld       Coating locking     Nickeld       Coating locking     Nickeld       Coating locking     Nickeld       Coating locking     Incereasting       Meutanical data   Mounting data     Inserted, sorewed, Shaking protection       Environmental characteristics   Climati     Operating temperature mink       Querating temperature max.     85 °C       Operating temperature max.     85 °C       Additional coordition temperature max     85 °C       Additional coordition temperature max.     85 °C       Note on stani relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radus     Attention: Observe the permissuble bending radii when laying cables, as the IP protection class can be ending fores.       Contormity     Inserted, soreweit y excessive bending tradii when laying cables, as the IP protection class can be ending fores.       Valid and Clab     UNE N6 1075 &-101 (M12)       Insatiation   Cable     UNE N6 1075 &-101 (M12)       Varia arrangomon     (white, blue), (black, red)       Cable entioning (type 2)     1       Stranding (type 2)	Material group (IEC 60664-1)	I
Mechanical data   Material data       Coating locking     Nickeled       Locking material     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating data       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature man.     68 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contornity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Product standard     DN IN 51075-2-101 (M12)       Installation   Cable     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Contornity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Product standard     DN IN 51075-2-101 (M12)       Installation   Cable     Cable standing       Cable identification     803       Cable identification     Quiet       Type of Certificate <t< td=""><td>Mechanical data</td><td></td></t<>	Mechanical data	
Colaing looking     Nickeled       Locking material     Zinc die-casiling       Mechanical data   Mounting method     Inserted. screwed, Shaking protection       Environmental characteristics   Climatic     Inserted. screwed, Shaking protection       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 stain 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 61076-2101 (M12)       Installation     803     Cable identification       Jaket Colon     violat     Cable identification       Jaket Colon     violat     Cable identification       Arount stranding     1     Stranding       Stranding     2 wires twisted       Cable identification     65 %       Banding (type 2)	Contour for corrugated hose	without
Locking material     Zinc die-casting       Mechanical data [Mounting data     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 stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending radius       Material Cable     Unit N to 1076-2-101 (M12)     Installation (Cable       Write arrangement     (white, blue), (black, red)     Cable (dentification       Go3     Jacket Color     violet       Type of Cortificate     cuRus     Amount stranding (type 2)     1       Stranding (type 2)     2 Stranded joints twisted     Cable shielding (coverage)     65 %       Barding     Foil     Stranding (type 2)     2 Stranded joints twisted     Cable shielding (coverage)     65 %       Barding <td>Mechanical data   Material data</td> <td></td>	Mechanical data   Material data	
Locking material     Zinc die-casting       Mechanical data [Mounting data     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 stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending radius       Material Cable     Unit N to 1076-2-101 (M12)     Installation (Cable       Write arrangement     (white, blue), (black, red)     Cable (dentification       Go3     Jacket Color     violet       Type of Cortificate     cuRus     Amount stranding (type 2)     1       Stranding (type 2)     2 Stranded joints twisted     Cable shielding (coverage)     65 %       Barding     Foil     Stranding (type 2)     2 Stranded joints twisted     Cable shielding (coverage)     65 %       Barding <td>Coating locking</td> <td>Nickeled</td>	Coating locking	Nickeled
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature main.     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.       Nate on bending radius     Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contemity     Product standard     DIN EN 61076-2-101 (M12)       Installation (Cable     uite arrangement     (white, blue), (black, red)       Gable Identification     803		Zinc die-casting
Mounting method     inserted, sorewed, Shaking protection       Environmental characteristics   Climatic     25 °C       Operating temperature min.     -25 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Mote on strain relief       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on banding radius     Attention: Observe the parmissible bending radii when laying cables, as the IP protection class can be endangreed by excessive bending forces.       Conformity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable class.       View arrangement     (white, blue), (black, red)       Cable identification     803       Jacket Color     violet       Type of Cartificate     cURus       Amount stranding     1       Stranding     2 stranded joints twisted       Cable identification     65 %       Cable shielding (type 2)     2 Stranded joints twisted       Cable shielding (type 2)     2 Stranded joints twisted       Cable shielding (coverage)     65 %       Cable shielding (coverage)     65 %       S		• •
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 strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Operating radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class can be ending radii when laying cables, as the IP protection class clas the infore dable shellotion (black, red)		inserted corowed Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature may     depending on cable quality       Important installation notes     Note on strin relief       Note on strin relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the parmiscible 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 stiranded joints twisted       Cable shielding (type 2)     1       Stranding (type 2)     2 Stranded joints twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (type)     copper braid, tinned       Cable shielding (towerage)     65 %       Banding     Foil       Drain wrie (cross-section)     22 AWG <td>-</td> <td>inserted, screwed, Snaking protection</td>	-	inserted, screwed, Snaking 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     write arrangement     (white, blue), (black, red)       Cable identification     803     Jacket Color       Violet     Type of Certificate     cURus       Amount stranding     1     Stranding     1       Stranding (type 2)     1     Stranding (type 2)     2       Vianding (type 2)     2 Stranded joints twisted     Cable shielding (coverage)     65 %       Banding     Foil     Certainstanding     Certainstanding     Certainstanding       Write arrangement     (white, blue), (black, red)     Celabe shielding (coverage)     65 %       Banding     Foil     Certainstanding     Certainstanding     Certainstwised </td <td>Environmental characteristics   Climatic</td> <td></td>	Environmental characteristics   Climatic	
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.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     wire arrangement       (white, blue), (black, red)     Cable identification       Jacket Color     violet       Type of Certificate     cURus       Amount stranding     1       Stranding (type 2)     2 Stranded joints twisted       Cable shielding (type 2)     2 Stranded joints twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (type)     2 AWG       wire arrangement     (white, blue), (black, red)       Cable shielding (type)     2 AWG       Banding     Foil       Drain wire (cross-section)     22 AWG       wire arrangement     (white, blue), (black, red)	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     wrise arrangement     (while, blue), (black, red)       Cable identification     603       Jacket Color     violet       Type of Cafificate     cuRus       Amount stranding     1       Stranding (type 2)     1       Stranding (type 2)     2 Stranded joints twisted       Cable shielding (type 2)     2 Stranded joints twisted       Cable shielding (coreage)     65 %       Banding     Foil       Drain wire (cross-section)     22 AWG       wire arrangement     (white, blue), (black, red)       Cable wighth     63, 12 g/m       Material yiackt     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, sillcone-free       Ou		85 °C
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on 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)     1       Stranding (type 2)     2 Stranded joints twisted     Cable shielding (coverage)     65 %       Banding     Foil     Poil     Protection     Pure Net Stranding     Pure Net Stranding       Train wire (cross-section)     22 AWG     Pure Net Strande     Pure Net Strande     Pure Net Strande       Shore hardness jacket     90 ± 5 Shore A     Pure Net Strande     Pure Net Strande     Pure Net Strande       Banding     Foil     Pure Net Strande     Pure Net Strande     Pure Net Strande     Pure Net Strande       Branding     Foi	Additional condition temperature range	depending on cable quality
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     Curvestigation     Cable identification     803       Amount stranding     1     Stranding     2 wires twisted     Cable identification     Stranding     Cable identification     Stranding (type 2)     1       Stranding (type 2)     2 Stranded joints twisted     Cable shielding (type 2)     2 Stranded joints twisted       Cable shielding (type)     copper braid, tinned     Cable shielding (coverage)     65 %       Banding     Foil     Dirain wire (cross-section)     22 AWG       wire arrangement     (white, blue), (black, red)     Cable weigth     63.12 g/m       Material wire instalext     PUR     Store A     Store A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-cliameter (jacket)     6.9 mm       Tolear	Important installation notes	
Note on bending radius   endangered by excessive bending forces.     Conformity     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   wire arrangement     wire arrangement   (white, blue), (black, red)     Cable identification   803     Jacket Color   violet     Type of Certificate   cURus     Amount stranding   1     Stranding (type 2)   1     Stranding (type 2)   2 Stranded joints twisted     Cable shielding (type 2)   2 Stranded joints twisted     Cable shielding (type 2)   65 %     Banding   Foil     Drain wire (cross-section)   22 AWG     wire arrangement   (white, blue), (black, red)     Cable weigh   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	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standardDIN EN 61076-2-101 (M12)Installation   Cablewire arrangement(white, blue), (black, red)Cable identification803Jacket ColorvioletType of CertificatecURusAmount stranding1Stranding (type 2)1Stranding (type 2)2 stranded joints twistedCable shielding (type 2)2 Stranded joints twistedCable shielding (type 2)5 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)6,9 mmOuter-diameter (jacket)6,9 mmMaterial wire insulationPEAmount strain1 5 %Material wire insulationPEAmount wires2	Note on bending radius	
Installation   Cablewire arrangement(white, blue), (black, red)Cable identification803Jacket ColorvioletType of CertificatecURusAmount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints twistedCable shielding (type 2)2 Stranded joints twistedCable shielding (type 2)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacket9URShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)6.9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2	Conformity	
wire arrangement(white, blue), (black, red)Cable identification803Jacket ColorvioletType of CertificatecURusAmount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)65 %BandingFoilDrain wire (cross-section)22 AWGwire arrangement(white, blue), (black, red)Cable weigth63,12 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (facket)6,9 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2	Product standard	DIN EN 61076-2-101 (M12)
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Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   6,9 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PE     Amount wires   2		
Outer-diameter (jacket) 6,9 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PE   Amount wires 2		
Tolerance outer diameter (sheath)± 5 %Material wire insulationPEAmount wires2		
Material wire insulation PE   Amount wires 2		
Amount wires 2		
Outer diameter insulation 2,1 mm		
	Outer diameter insulation	2,1 mm

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21

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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)	2° 08
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
Travel speed (C-track)	3 m/s
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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