

## M12 MALE 0° / M8 FEMALE 90° LED

PUR 3X0.34 black UL/CSA, drag ch 4.5m

Male straight – female 90° M12 – M8, 3-pole 2× LED (PNP), (NPN) on request

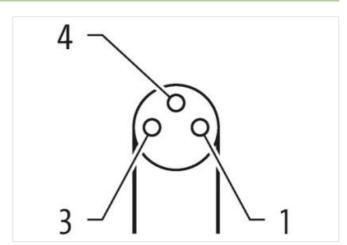
Plastic housings with good resistance against chemicals and oils.

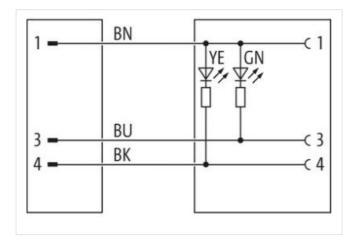
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

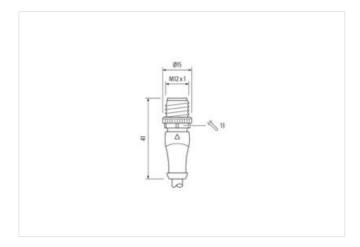
## **Link to Product**

## Illustration





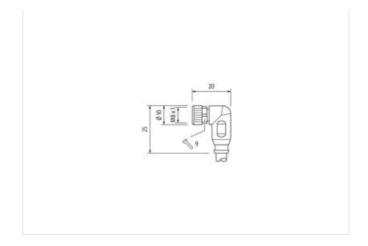






stay connected





Product may differ from Image



Cable length	4,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Gender	male
Cable outlet	straight
Coding	A
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
Gender	female
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	angled
Coding	A
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311



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ECLUSES   12	FOLAGO 40.0	07000044
customs staff number         65446200           GTIN         406973285772           PEckclaging unit         1           Electical data [Supply         1           Cereating voltage DC         24 V           Operating voltage DG min.         18 V           Operating voltage DG min.         30 V           Current operating voltage DG min.         4 A           Diagnostics         Status indication LED         green, yellow           Device protection [Electrical         Additional condition protection degree           Additional condition protection degree         3           Pollution Begree         3           Machanical data [Material data           Coating looking         Nodelad           Locking material         Zinc disc casting           Machanical data [Mounting data         Nodelad           Locking material characteristical [Climatic         Coating looking           Coperating inspreads the min.         25 °C           Coperating inspreads the min.         25 °C           Coperating inspreads the min.         25 °C           Coperating temperature min.         25 °C           Additional condition temperature range         depending on cable quality           Important installation notes         85 °C <td>ECLASS-12.0</td> <td>27060311</td>	ECLASS-12.0	27060311
GTIM 404878295772 Packaging unt 1 Packaging voltage DC 24 V  Operating voltage DC min. 38 V  Operating voltage DC min. 38 V  Operating voltage DC min. 38 V  Operating voltage DC min. 39 V  Operating voltage DC min. 4A  Operating voltage DC min. 39 V  Operating voltage DC min. 4A  Operating to protection I Electrical  Mactinal operation protection degree inserted, sorewed  Pollution Degree 3  Operating to fine to protect to Min. 4A  Macrisi group (IEC 6966-1) I  Machanical data (Minerial data Minerial		
Packaging unit		
Peter Incand ata   Supply   Operating voltage DC min.		
Operating voltage DC         24 V V           Operating voltage DC min.         18 V           Operating voltage DC min.         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication LED         green, yallow           Device protection Electrical         Additional condition protection degree           Pollution Degree         3           Meterial group (EC 60664-1)         1           Mechanical datal Material disa         Inserted, screwed           Locking material         Zinc disc casting           Mechanical datal Material disa         Coating looking           Mechanical datal Mounting data         Inserted, screwed, Shaking protection           Mechanical datal Mounting data         Inserted, screwed, Shaking protection           Environmental haracteristics   Climatic         Environmental termerature range depending on cable quality           Environmental termerature range depending on cable quality         Generating temperature max.           Operating temperature max.         85 °C           Action of continuers of the permissible bending radii when laying cables, as the IP protection class can be entargined by excessive bending forces.           Conformity         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Packaging unit	1
Operating voltage DC min. 18 V Operating voltage DC max. 30 V  Current operating per contact max. 4 A  Plagnostics  Status indication LED green, yellow  Device protection Electrical  Additional candition protection degree inserted, screwed  Pollution Dugree 3  Material group (EC 60064+1) I  Mechanical data   Material data  Coating locking Nickeled  Locking material Zero   Zero de-easting  Mechanical data   Munting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climate  Poperating temperature min. 25 °C Operating temperature min. 25 °C Operating temperature max. 85 °C  Additional contion 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 calendagered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue Cable dentification 633  Cable Type 3  Jacket Color black  Arrangement brown, black, blue Cable verging 3 3 wise livelage  Wire arrangement brown, black, blue Cable verging 3 3 wise livelage  Wire arrangement brown, black, blue Cable verging 3 3 wise livelage  Wire arrangement brown, black, blue Cable verging 4 9.97 gm  Muterial wire incidentials (Cable)  Wire arrangement brown, black, blue Cable verging 4 9.97 gm  Muterial wire incidentials (Cable)  Wire arrangement brown, black, blue Cable verging 4 9.97 gm  Muterial wire incidentials (Cable)  Wire arrangement brown, black, blue Cable verging 5 9.97 gm  Muterial gradient (Cable)  Wire arrangement brown, black, blue Cable verging 5 9.97 gm  Muterial wire incidents (Cable)  Wire arrangement core insulation PP  Armanut wires  JES Timn  Outer diameter (isokel)  JES Timn  Outer diameter insulation  JES Timn  Outer diameter insulation  JES Timn  Outer diameter insulation	Electrical data   Supply	
Operating voltage DC max         30 V           Current operating per context max.         4 A           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Material group (EC 60684-1)         I           Mechanical data   Material data         Xinc diseasing           Mechanical data   Mounting data         Xinc diseasing           Mechanical standard   Indication   Xinc diseasing         Xinc diseasing           Importation installation notes         Xinc diseasing data   Xinc diseasing           Value on bearding radius         Altertion: Coserve the permissible	Operating voltage DC	24 V
Diagnostics	Operating voltage DC min.	18 V
Diagnostics           Situtus indication LED         green, yellow           Device protection [Electrical]         Inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Material group (IEC 806641)         1           Mechanical datal [Material data]         Vickeled           Locking naterial         2m de-casting           Mechanical datal [Mounting data]         Michanical datal [Mounting data]           Mechanical datal [Mounting data]         Michanical datal [Mounting data]           Environmental characteristics [Climatic         Description [Emperature min.           Operating temperature max.         25 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Additional condition temperature range           Important installation notes         A feetilican: Observe the permissible beneding radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product the connectors by suitable measures from mechanical loads, e.g., by the usage of cable lites.           Note on sharing radiis         A feetilican: Observe the permissible beneding radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product	Operating voltage DC max.	30 V
Status indication LED green, yellow  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Material group (EC 60064-1) 1  Mechanical data   Material data  Coating locking Neckanical data   Material data  Coating locking   Nickeled  Locking material   Zinc die-casting    Mechanical data   Mounting data  Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Current operating per contact max.	4 A
Device protection   Electrical   Additional condition protection degree   Inserted, screwed	Diagnostics	
Additional condition protection degree inserted, screwed Pollution Degree 3 Material group (IEC 60684+1) 1  Mechanical data   Material data Coating locking Nickeled Cocking material 2  Mechanical data   Material data Mechanical data   Material data Mechanical data   Material data Mechanical data   Muniting data Menditional condition temperature range   Menditional 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.  Attentions: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard   Din En 61076-2-101 (M12); DIN En 61076-2-104 (M8)  Installation   Cable  were arrangement   Dinw, black, blue  Cable identification   G33  Cable of Type of Conformate   Units   Cable data   Cabl	Status indication LED	green, yellow
Pollution Degree   3   Material group (IEC 60664-1)   1   1   1   1   1   1   1   1   1	Device protection   Electrical	
Material group (IEC 60664-1)         I           Mechanical data   Material data         Mickeled           Costing locking         Nickeled           Locking material         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatio         Operating temperature min.           Operating temperature max.         85 °C           Additional condition temperature range important installation notes         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.           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         Protect standard         DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)           Installation   Cable wire arrangement         brown, black, blue           Cable identification         633           Cable weigh         3 wires twisted           Amount stranding         1           If it	Additional condition protection degree	inserted, screwed
Mechanical data   Material data         Nickeled           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Experiang temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         65 °C           Additional condition temperature may.         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: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity           Product standard         DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)           Installation   Cable           wire arrangement         brown, black, blue           Cable to entificate         cuBlus           Type of Certificate         cuBlus           Amount stranding         1           Stranding         3 wires twisted <td>Pollution Degree</td> <td>3</td>	Pollution Degree	3
Mechanical data   Material data         Nickeled           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Inserted, screwed, Shaking protection           Experiang temperature min.         25 °C           Operating temperature max.         85 °C           Additional condition temperature max.         65 °C           Additional condition temperature may.         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: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity           Product standard         DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)           Installation   Cable           wire arrangement         brown, black, blue           Cable to entificate         cuBlus           Type of Certificate         cuBlus           Amount stranding         1           Stranding         3 wires twisted <td>Material group (IEC 60664-1)</td> <td>I</td>	Material group (IEC 60664-1)	I
Coaling looking         Nickeled           Locking material         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         Total condition temperature range         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)           Installation   Cable         Wire arrangement         brown, black, blue           Cable identification         633         3           Jacket Color         black         Dischard (Cable Weight)         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         29.7 g/m           Material jacket         PUR           Short part wire insulation <t< td=""><td></td><td></td></t<>		
Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.		Nickeled
Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature max         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)           Installation   Cable         Installation   Cable           wire arrangement         brown, black, blue           Cable identification         633           Cable (Cofor         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigh         29.7 g/m           Material jacket         PUR           Shore hardness jacket         90.5 Shore A           Freedom from ingredents (jacket)         1.5 m           Tolerance outer diam		
Mounting method inserted, Screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.		Zino dio odoting
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Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)  Installation   Cable  Wire arrangement brown, black, blue Cable identification 633  Cable Type 3  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 633  Cable Type 3  Jacket Color black Type 0 Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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); DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 633  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weight 29,7 g/m  Material jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity           Product standard         DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)           Installation   Cable           wire arrangement         brown, black, blue           Cable identification         633           Cable (Pype)         3           Jacket Color         black           Type of Certificate         CURus           Amount straining         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         29.7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3<		
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endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 633  Cable Type 3  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket PUR  Mueration from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard         DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)           Installation   Cable           wire arrangement         brown, black, blue           Cable identification         633           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Note on bending radius	
Installation   Cable           wire arrangement         brown, black, blue           Cable identification         633           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %	Conformity	
wire arrangement brown, black, blue  Cable identification 633  Cable Type 3  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Product standard	DIN EN 61076-2-101 (M12); DIN EN 61076-2-104 (M8)
wire arrangement brown, black, blue  Cable identification 633  Cable Type 3  Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Installation   Cable	
Cable identification 633  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		brown block blue
Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,7 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %		
Jacket Color black Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		
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Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,7 g/m  Material jacket PUR Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %		
Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	·	
wire arrangement brown, black, blue  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		
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Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %	<u> </u>	
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,1 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  ± 5 %		
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	·	
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Outer-diameter (jacket)	4,1 mm
Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 %	Amount wires	3
Outer diameter tolerance core insulation ± 5 %		1,25 mm
Shore hardness wire insulation 70 ± 5 Shore D	Outer diameter tolerance core insulation	<u> </u>
	Shore hardness wire insulation	70 ± 5 Shore D

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



Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min