

## M12 male 0° / M8 female 0° A-cod. shielded

PUR 3x0.34 shielded bk UL/CSA+drag ch. 3.6m

Male straight – female straight M12 – M8, 3-pole shielded

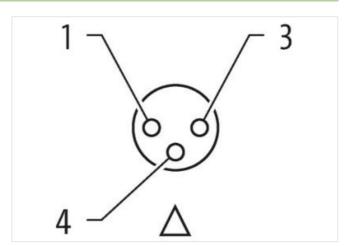
Plastic housings with good resistance against chemicals and oils.

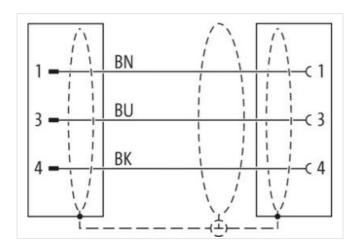
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

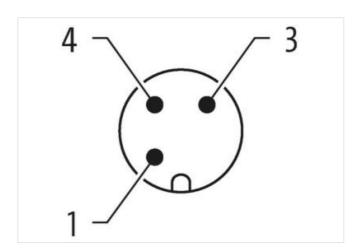
## **Link to Product**

## Illustration



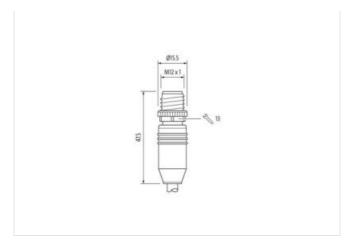


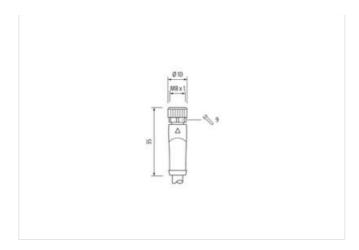






stay connected





Product may differ from Image











Cable length	3,6 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW9
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909052242



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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 may.         85 °C           Modition installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Vivian and the protection class can be endangered by excessive bending forces.           Use of Cable identification         640           Cable identification         640           Cable identification         640           Cable (Color         black           Use of Color         black           Use of Color         black           Use of Color         class (Color in the protection class can be ending forces)           Stranding         1           Stranding         3 wires twisted	Packaging unit	1
Operating voltage DC max. 60 V Operating voltage DC (UL-lated) 30 V Operating voltage DC (UL-lated) 4 A  A V Operating voltage DC (UL-lated) 5 V Operating voltage DC (UL-lated) 5 V Operating voltage DC (UL-lated) 5 V Operating voltage 10 V Operating to voltage 10 V Operating	Electrical data   Supply	
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Current poperating per contact max. 4 A  Degree of protection (En (Ec 68529)		
Current operating per contact max.  Device protection   Electrical  Device protection (FN IEC 60529)  IP66, IP67, IP68, IP68K  Additional condition protection degree inserted, screwed  Pollution Degree a direction (FN IEC 60529)  Inserted, screwed  3  Rande surge voltage 0,8 kV  Material group (IEC 60664-1)  Inserted, screwed  Conting locking Naterial data is  Conting locking Naterial data is  Locking material 2 inserted, screwed, Shaking protection  Environmental characteristics   Climatic Coperating Inserted of the Common of t		
Degree of protection (EN IEC 60529)         IP65, IP67, IP68, IP66K           Additional condition (EN IEC 60529)         IP65, IP67, IP68, IP66K           Additional condition protection degree         inserted, screwed           Follution Degree         3           Allaced surge voltage         0.8 kV           Mechanical data   Material data         Coating tocking         Nickeled           Cocking problem         Zor die deasting           Mochanical data   Mounting data         Inserted, screwed, Shaking protection           Mochanical problem         See "C           Contenting 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 iss.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable iss.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangeed by exceesive bending forces.           Product standard         DIN EN 61076-2-101 [M12], DIN EN 61076-2-114 [M8]           Installation   Cable         See C           Virtue of Cable injusting (see Cable inju		
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Additional condition protection degree inserted, screwed  Pollution Degree 3  Agraded surge voltage 0,8 kV  Material group (IEC 60864-1) I  Mechanical data   Material data  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating pemperature max. 25 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on stain 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.  Contornity  Product standard DIN En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue Cable ingerial cardinal of 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.  Contornity  Product standard DIN En 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue Cable dentification General brown, black, blue Cable dentification General brown, black, blue Cable shielding (type) copper braid, timed Cable weight 44 grim Material yies included (glocket) 5 mm  Material yies included (glocket) 5 mm  Material yies included (glocket) 5 mm  Tolerance outer diameter (glocket) 5 mm  Outer diameter (included) 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter insulation 1,25 mm	•	
Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 606841) I  Mechanical data   Material data Coating looking Nickeled Locking material Zinc die-casting  Mounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Coperating temperature min.		
Rated surge voltage   0,8 kV   Material group (IEC 80684-1)   1  Coating looking   Nickeled   Locking material   Zinc die-casting   Mechanical data   Material data   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   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 standar   DIN En 61076-2-101 (M12), DIN En 61076-2-114 (M8)   Installation   Cable   Wire arrangement   brown, black, blue   Cable intentification   640   Cable infiliation   Cellicute   Culhus   Amount stranding   1   Stranding   3 wires twisted   Cable sidedling (type)   copper braid, timed   Cable sidedling (type)   copper braid, timed   Cable sidedling (type)   copper braid, timed   Cable sidedling (coverage)   80 %   Banding   Fleece, Foil   Material jacket   PUR   Shore hardness jacket   PUR   Freedom from ingredients (jacket)   bad-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer diameter (sacket)   5 mm   Outer diameter insulation   1,25 mm   Outer diameter insulation   1,25 mm	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Meternal group (EC 60664-1)  Mechanical data   Material data  Coating locking   Nickeled   Zinc dis-casting    Mechanical data   Mounting data    Mounting method   inserted, screwed, Shaking protection    Mechanical data   Mounting data    Mounting method   inserted, screwed, Shaking protection    Mechanical data   Mounting data    Mounting method   inserted, screwed, Shaking protection    Mechanical data   Mounting data    Mounting method   inserted, screwed, Shaking protection    Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endangered by excessive bending radiu when laying cables, as the IP protection class can be endan		
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Coating locking material         Nickeled           Mechanical data   Mounting material         Zinc die-casting           Mechanical data   Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climate           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 strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN En 61076-2-101 (M12), DIN En 61076-2-114 (M8)           Installation   Cable identification         640           Cable identification         640           Cable identification         640           Cable identification         640           Cable shielding (type)         3 wires twisted           Cable shielding (type)         3 wires twisted           Cable shielding (type)         60 °K           Banding         Fleece, Foil <tr< td=""><td>Material group (IEC 60664-1)</td><td>I</td></tr<>	Material group (IEC 60664-1)	I
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  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Altention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable identification 640  Cable Type 3  Jacket Color black  Amount stranding 1  Stranding 3 wires twisted  Cable shielding (type) copper braid, tinned  Cable weigh 44 g/m  Material jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 %  Material wire insulation 1,25 mm  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 1,25 mm	Mechanical data   Material data	
Mechanical data   Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25 °C Operating temperature man. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Froduct standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Wire arrangement brown, black, blue Cable identification 640  Cable of Type 3  Alexent Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  Cable shielding (type) copper braid, finned  Cable shielding (coverage) 80 %  Banding Fiece, Foll  wire arrangement brown, black, blue  Cable weight 44 g/m  Material jacket PUR  Shore hardness jacket 90 £ Shore A  Freedom from ingredients (jacket) 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Tolerance outer diameter (sheatr) 5 %  Material wire insulation PP  Amount wires  3  Outer diameter tolerance core insulation 2.5 %	Coating locking	Nickeled
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation   Cable  Wire arrangement brown, black, blue Cable identification 640 Cable Type 3 3 Jacket Color black Type of Certificate cURbus Amount stranding 1 Stranding 3 wires twisted Cable shelding (type) copper braid, tinned Cable shelding (type) copper braid, tinned Cable shelding (type) poper braid, tinned Cable shelding (type) poper braid, tinned Cable weight 44 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Material jacket PUR Material wire insulation PP Amount wires 3 Quiter diameter (sheath) 2.5 % Material wire insulation 1,25 mm Outer diameter relieation 1,25 mm Outer diameter relieation 1,25 mm Outer diameter relieation 1,25 mm Outer diameter folerance core insulation 2,5 %	Locking material	Zinc die-casting
Environmental characteristics   Climatic Operating temperature min.	Mechanical data   Mounting data	
Environmental characteristics   Climatic Operating temperature min.	Mounting method	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         Important installation notes           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 endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Image: Cable identification of the cable identification of th		
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endangered by excessive bending forces.  Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  Installation   Cable  Wire arrangement brown, black, blue  Cable identification 640  Cable Type 3  Jacket Color black  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue  Shore hardness jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 15 mm  Tolerance outer diameter (sheath) ± 5 %  Material javier to lean-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Note on strain relief	
Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable           wire arrangement         brown, black, blue           Cable Identification         640           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           Cable weigth         44 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)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm	Note on bending radius	
Installation   Cable           wire arrangement         brown, black, blue           Cable identification         640           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           Cable weigth         44 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)         5 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 %	Conformity	
wire arrangement         brown, black, blue           Cable identification         640           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           Cable weigth         44 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)         5 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 61076-2-114 (M8)
Cable identification         640           Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           Cable weigth         44 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)         5 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 Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleece, Foil           wire arrangement         brown, black, blue           Cable weigth         44 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)         5 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
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Amount stranding 1 Stranding 3 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue Cable weigth 44 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) 5 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
Stranding 3 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue  Cable weigth 44 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) 5 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 %  Outer diameter tolerance core insulation ± 5 %	Type of Certificate	cURus
Stranding 3 wires twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 80 %  Banding Fleece, Foil wire arrangement brown, black, blue  Cable weigth 44 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) 5 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 %  Outer diameter tolerance core insulation ± 5 %	Amount stranding	1
Cable shielding (coverage) 80 %  Banding Fleece, Foil  wire arrangement brown, black, blue  Cable weigth 44 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) 5 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
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Cable weight 44 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) 5 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	
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) 5 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 %	Cable weigth	44 g/m
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 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 %	Material jacket	PUR
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 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 %	Shore hardness jacket	90 ± 5 Shore A
Outer-diameter (jacket)         5 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)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Outer-diameter (jacket)	5 mm
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Tolerance outer diameter (sheath)	
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Material wire insulation	
Outer diameter tolerance core insulation ± 5 %	Amount wires	3
Outer diameter tolerance core insulation ± 5 %	Outer diameter insulation	1,25 mm
	Outer diameter tolerance core insulation	· · · · · · · · · · · · · · · · · · ·
	Shore hardness wire insulation	70 ± 5 Shore D

Travel speed (C-track)

No. of torsion cycles

Torsion stress

Torsion speed



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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 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 § 1100 FT2   UL 1581 § 1090   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)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal

3,3 m/s @ 25 °C

2 Mio.

± 30 °/m

35 cycles/min