

## M12 male 0° / M12 female 90° A-cod. LED

PUR 4x0.34 gy UL/CSA+drag ch. 0.5m

Male straight – female 90° M12 – M12, 4-pole 3× LED (PNP), (NPN) on request

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

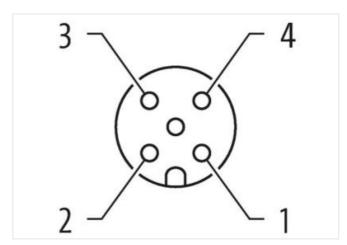
The resistance to aggressive media should be individually tested for your application. Further details on request.

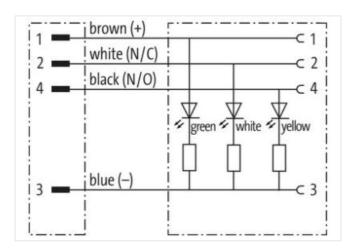
Further cable lengths on request.

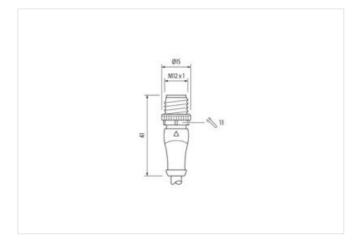
## **Link to Product**

## Illustration



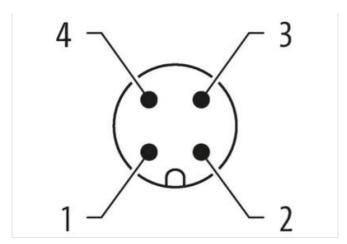


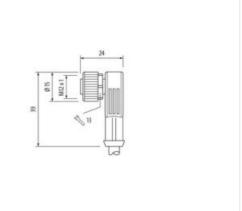






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Product may differ from Image











Cable length	0,5 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
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, 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
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879575362
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: 2024-05-11



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Operating voltage DC min. 18 V Operating voltage DC min. 39 V Operating voltage DC min. 39 V Operating voltage DC min. (U-listed) Operating D		
Operating voltage DC max.         90 V           Corrent operating per contact max.         4 A           Diagnostics         Sistus indication LED         green, while, yellow           Installation (Connection)         W12 x 1           Mounting set         M12 x 1           Powice protection (Electrical)         Additional condition protection degree           Additional condition protection (Electrical)         Inserted, sprowed           Pollution Degree         3           Reads surge voltage         0.8 kW           Metanial group (IEC 60864.1)         1           Mochanical data (Material data)         Coating folding           Coating folding         inkel placed           Coating of infing         inkel placed           Looking material         Zinc die-casting           Mounting method         inserted, screwed. Shaking protection           Environmental characteristics   Climatic         Operating temperature mix.           Operating inproprature mix.         25 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Note on stain exity           Note on stain exity         Attention: Observe the purmasable banding radii when laying cables, as the IP protection class can be undergored by screening the protection class can be under	Operating voltage DC	24 V
Operating year onting and common.         4 A           Diagnostics         Common operating per ordination man.         4 A           Diagnostics         Status indication LED         green, white, yellow           Installation Connection         MI 2 x 1           Device protection (Electrical)         Additional condition protection degree         Inserted, screwed           Pollution Degree         3         3           Raded surge voltage         0.8 kV           Material group (EG 6964-1)         1           Machanical data in Material data in Material data in Material data in Material and in Material and in Material and in Material and incommon in included in Material and incommon in	Operating voltage DC min.	18 V
Diegnostics Status indication LED green, white, yellow  Installation   Connection  Mounting set M2 x 1  Additional condition protection degree inserted, screwed  Additional condition data   Mounting condition   Michael    Machanical data   Machael   Michael   Michael    Machael   Michael   Michael   Michael    Michael   Michael   Michael   Michael    Michael   Michael   Michael   Michael    Michael   Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michael   Michael    Michael   Michae	Operating voltage DC max.	30 V
Diagnostics         Status inclianton LED         green, white, yellow           Installation   Connection         M12 x 1           Povice protection   Electrical         M22 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Raid of surge voillage         0.8 kV           Mechanical data   Material data         Machanical data   Material data           Containg of lifting         Discheled           Locking material         Zinc discasting           Locking material         Zinc discasting           Machanical data   Muturing data         Zinc discasting           Muturing method         Zinc discasting           Environmental characteristics   Climate         Closeristing temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature min.         25 °C           Operating temperature max         45 °C           Additional condition temperature max         45 °C           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Note on bending radius         Afternition: Citizent the permissible bonding radii when laying cables, as the IP protection class can be endangered by accessive bending practice. <t< td=""><td>Operating voltage DC max. (UL-listed)</td><td>30 V</td></t<>	Operating voltage DC max. (UL-listed)	30 V
Status indication LED green, white, yollow  Installation   Connection  Mounting set   M12 x   M12 x    Additional condition protection degree   inserted, screwed    Pollution Degree   3    Additional condition protection degree   inserted, screwed    Pollution Degree   3    Alexaded surge voltage   0,8 kV    Material group (IEC 60664-1)   I    Mechanical data   Minerial data    Mechanical data   Minerial data    Mechanical data   Minerial data    Material grow connection   Zinc die casting    Makerial screw tonnection   Zinc die casting    Makerial screw tonnection   Zinc die casting    Makerial data   Mounting data    Mounting method   Inserted, screwed, Shaking protection    Environmental characteristics   Climatic    Coperating temperature max.   Sis Sis Conditions    Operating temperature max.   Sis Sis Conditions    Additional condition temperature range    depending on cable quality    Inserted, screwed   Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable lies.    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    Cable indeplication   Zi4    Cable indeplication   Zi4    Cable indeplication   Zi4    Cable indeplication   Zi4    Cable indeplication   Zi5    Anount stranding   1    Stranding   A wice swisted    Wice arrangement   brown, black, blue, white    Treversing distance (C-track)   10 m @ 25 °C (horizontal    Cable indeplication   Zi5    Cable ind	Current operating per contact max.	4 A
Installation   Connection  Mounting set	Diagnostics	
Mounting set   M12 x 1  Device protection   Electrical  Additional condition protection degree   inserted, screwed    Pollution Degree   3  Rated surge voltage   0.8 kV    Macterial group (IEC 60664+1)   I  Mechanical data   Material data    Material group (IEC 60664+1)   I  Mechanical data   Material data    Coating of litting   mickel plated    Locking material   Zinc die casting    Material screw connection   Zinc die casting    Material screw connection	Status indication LED	green, white, yellow
Device protection   Electrical	Installation   Connection	
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking   Nickel d  Coating locking   Nickel d  Coating of litting nickel plated Locking material   Zino die-casting  Material screw connection   Zino die-casting  Mechanical data   Munning data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 2-5 °C  Operating temperature min. 2-5 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Mounting method Protection temperature range depending on cable quality  Note on strain relief Protection connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.  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  Cable (Group) 3  Jacket Color gray  Yippe of Cerificate CURus  Amount stranding I  Stranding 4 wires wristed  wire arrangement brown, black, blue, white  Treversing distance (C-track) 10 m @ 25 °C (Inpriorital  Cable wight Size is particular to the connectors of the con	Mounting set	M12 x 1
Pollution Degree         3           Rated surge voltage         0,8 kV           Machanical group (IEC 60664-1)         1           Mechanical data   Material data         Nickeled           Coating of fitting         nickel pleted           Locking material         Zinc die-casting           Material scrow connection         Zinc die-casting           Mechanical data   Mounting data           Munting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature max.         65 °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 lies.           Note on barding 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         234           Cable identification         234           Cable Type         3           Aucked Color         gray           Type of Certificate         cURus           Amount stranging         1 <t< td=""><td>Device protection   Electrical</td><td></td></t<>	Device protection   Electrical	
Rated surge voltage   0.8 kV   Material group (IEC 60684-1)   1  Coating locking   Nickeled   Coating of fitting   nickel plated   Locking material   Zinc die-casting   Material screw connection   Zinc die-casting   Material screw connection   Zinc die-casting   Mounting method   Environmental characteristics   Climatic   Operating temperature min.   -25 °C   Operating 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. 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   Introduct standard   International Cable   Installation Cable   Cable identification   234   Cable Type   3   3   3   3   3   3   3   3   3   3	Additional condition protection degree	inserted, screwed
Rated surge voltage   0.8 kV   Material group (IEC 60684-1)   1  Coating locking   Nickeled   Coating of fitting   nickel plated   Locking material   Zinc die-casting   Material screw connection   Zinc die-casting   Material screw connection   Zinc die-casting   Mounting method   Environmental characteristics   Climatic   Operating temperature min.   -25 °C   Operating 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. 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   Introduct standard   International Cable   Installation Cable   Cable identification   234   Cable Type   3   3   3   3   3   3   3   3   3   3		3
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking nickel plated Coating of fitting nickel plated Coating of fitting nickel plated Coating of fitting Zinc die-casting Material screw connection Zinc die-casting Metherial screw connection Mechanical data   Mounting data Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature may. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification   234  Cable identification   234  Cable identification   234  Cable identification   244  Cable identification   4 wires twisted  wire arrangement Drown, black, blue, white  wire arrangement Drown, black, blue, white  wire arrangement Drown, black, blue, white  Traversing distance (C-track) 10 m @ 5° °C   horizontal  Cable weigth 36.3 g/m  Material jacket Pura Shore A  Freedom from ingradients (jacket) 4.5 ms  Total diameter (jacket) 4.5 ms  Material wire insulation PP  Amount diameter insulation PP  Amount wires outer diameter (seleath) 2.5 %		0,8 kV
Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Important installation notes         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         Attentions: Observee the permissable 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         234           Cable identification   Cable         24           Traversing distance (Certrick)         9 0 °C (Final Certrick)           Alternal	Material group (IEC 60664-1)	
Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature max.         85 °C         Additional condition temperature range         depending on cable quality           Important installation notes         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         Attentions: Observee the permissable 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         234           Cable identification   Cable         24           Traversing distance (Certrick)         9 0 °C (Final Certrick)           Alternal	Mechanical data   Material data	
Coating of fitting   mickel plated   Zinc dis-casting   Zinc dis-casting		Nickeled
Locking material Zinc die-casting Material sorew connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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 Cable identification 234 Cable Type 3 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Traversing distance (C-track) 10 m @ 25 °C   horizontal Cable weight 363, gm 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 (jsheath) ± 5 % Material wire insulation 1,25 mm Outer diameter rolerance core insulation ± 5 %		
Material screw connection Zinc die-casting  Mechanical data   Mounting data   Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic   Operating temperature min.   25 °C   Operating temperature max.   85 °C   Additional condition temperature range   depending on cable quality   Important installation notes  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   Cable identification   234   Cable Type   3   3   3   3   3   3   3   3   3   3		· · · · · · · · · · · · · · · · · · ·
Mechanical data   Mounting method inserted, screwed, Shaking protection  Finvironmental characteristics   Climatic Operating temperature min25 °C Operating temperature max. 85 °C Additional condition totals  Note on strain relief Protection observed 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  Cable identification 234  Cable forentification 234  Cable of contrictate culture and additional control of the protection of the protection class can be endangered by excessive bending forces.  Cable wire arrangement 24 wires twisted  wire arrangement brown, black, blue, white  Traversing distance (C-track) 10 m @ 25 °C   horizontal Cable weight 36,3 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 4.5 mm  Tollerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Couter diameter (sheath) 1,25 mm  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.		
Environmental characteristics   Climatic  Operating temperature min.	, ,	incorted corowed Shaking protection
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.  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  Cable identification 234  Cable Type 3  Jacket Color gray Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wive arrangement brown, black, blue, white  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 36,3 g/m  Material jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter insulation ± 5 %		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.  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  Cable identification 234  Cable identification 234  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 36,3 g/m  Material jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter insulation ± 5 %		
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endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 234  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 36,3 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) 4,5 mm  Material wire insulation PP  Amount wires 4  Outer diameter tolerance core insulation ± 5 %  Outer diameter tolerance core insulation ± 5 %  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)  Installation   Cable  Cable identification 234  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 36,3 g/m  Material jacket PUR  Shore hardness 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 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Note on bending radius	
Cable identification 234 Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Traversing distance (C-track) 10 m @ 25 °C   horizontal Cable weigth 36,3 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 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Conformity	
Cable identification 234  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted  wire arrangement brown, black, blue, white  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 36,3 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 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Product standard	DIN EN 61076-2-101 (M12)
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Type of Certificate cURus  Amount stranding 1  Stranding 4 wires twisted wire arrangement brown, black, blue, white  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 36,3 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %		grav
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Traversing distance (C-track)  10 m @ 25 °C   horizontal  Cable weigth  36,3 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)  4,5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  4  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  ± 5 %	Stranding	4 wires twisted
Cable weigth 36,3 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) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	wire arrangement	brown, black, blue, white
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) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Cable weigth	36,3 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,5 mm  Tolerance outer diameter (sheath)  4 5 %  Material wire insulation  PP  Amount wires  4  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  ± 5 %	Material jacket	PUR
Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4  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 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Outer-diameter (jacket)	4,5 mm
Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %	Tolerance outer diameter (sheath)	± 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	4
	Outer diameter insulation	1,25 mm
Shore hardness wire insulation 70 ± 5 Shore D	Outer diameter tolerance core insulation	±5%
	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: 2024-05-11



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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	4,8 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
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
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
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min