

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

PUR 5x0.34 ye UL/CSA+drag ch. 7.5m

Male 90° - female 90°

M12 - M12, 5-pole

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

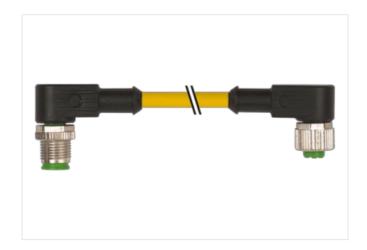
Plastic housings with good resistance against chemicals and oils.

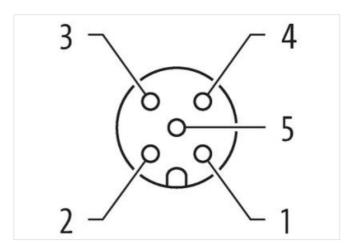
The resistance to aggressive media should be individually tested for your application. Further details on request.

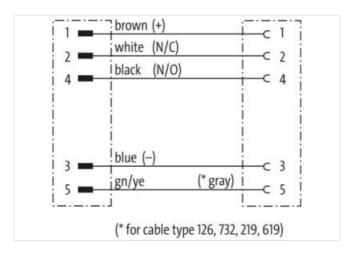
Further cable lengths on request.

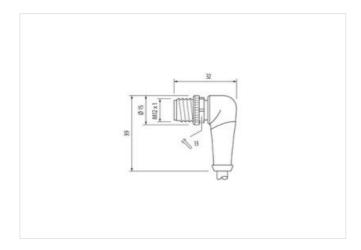
## **Link to Product**

## Illustration



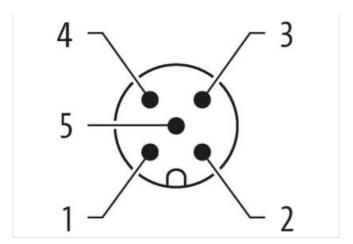


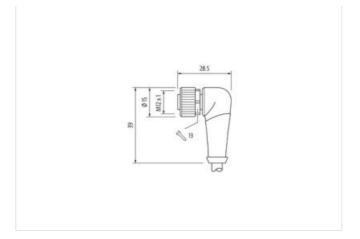






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Product may differ from Image



Cable length





7,5 m







<del>U</del> -	· ,• · · ·
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
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	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
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	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	4048879724395
Packaging unit	1

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: 2024-05-08



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Operating voltage DC max. 128 V Operating voltage AC (UL-isted) 30 V Operating voltage AC (UL-isted) 30 V Operating voltage AC (UL-isted) 30 V Ourrent operating per contact max. 4 A Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree Pollution Degree 3  Material group (IEC 60864-1) I  Machanical data   Material data Coating of ritting inches a comment of the protection of t	Electrical data   Supply	405.14
Operating voltage DC (UL-isted)   30 V	Operating voltage AC max.	125 V
Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A  Installation   Commencion Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree 3  Additional condition protection degree 3  Material group (IEC 80684-1) 1  Mochanical data   Marial data  Mochanical data   Marial data  Coaling of Iffling 100 (IEC 80684-1) 1  Mochanical data   Marial data  Mounting method 100 (Installation) 100 (Ins		
Current operating per contact max. 4 A Installation   Connection  Mounting set   M12 x 1  Device protection   Electrical  Additional condition protection degree   Inserted, screwed   Poultuin Degree   3  Makerial group (EG 60684-1)   1  Mechanical data   Material data  Coating locking   Nickeled   Coating locking   Nickeled   Coating of thing   nickel plated   Locking material   Zinc dis-casting   Material screw connection   Zinc dis-casting   Material screw connection   Zinc dis-casting   Material screw connection   Zinc dis-casting   Mounting method   Inserted, screwed, Shaking protection    Environmental characteristics   Climatic   Operating temporature max.   25 °C   Operating temporature max.   35 °C   Additional condition temporature max.   35 °C   Coale (conditional conditional conditional temporature max.   35 °C   Coale (conditional conditional con		
Installation   Connection  Mounting set   M12 x 1  Device protection   Electrical  Additional condition protection degree   3  Material group (EC 60664-1)        Coating locking   Nickeled      Coating locking   Nickeled   Nickeled      Coating locking   Nickeled   Nickeled      Coating locking   Nickeled   Nic	· · · · · · · · · · · · · · · · · · ·	
Nouring set M12 x 1  Povice protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Additional group (IEC 60604 1)   I  Mechanical data   Material data  Coating of fitting nickel plated Coating n		4 A
Device protection   Electrical  Additional condition protection degree    Inserted, screwed	Installation   Connection	
Additional condition protection degree   inserted, screwed   Pollution Degree   3   Material group (IEC 60864-1)   1   Machanical data   Material data   Coating looking   Nickeled   Coating of fifting   nickel plated   Coating of mine   Note of the coating   Material screw connection   Zinc die-casting   Material screw connection   nickel plated   Coating method   nickel plated   Coating of fifting   nickel plated   Coating of fifting of fifting of fifting of fifting   Coating of fifting of fiftin	Mounting set	M12 x 1
Attention Degree 3  Waterial group (IEC 60664-1) I I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Codeing material Zinc die-casting  Waterial grow connection Zinc die-casting  Waterial serve connection Zinc die-casting  Waterial grown connection Zinc die-casting  Waterial grown connection and continue material serve connection  Environmental characteristics   Climatic  Operating temperature min2.5 °C  Operating temperature max85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Vote on strain reitel 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 endangered by excessive bending forces.  Installation   Gable  Cable identification	Device protection   Electrical	
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking   Nickeled  Coating fitting   nickel plated   Locking material   Zinc die-casting   Material screw connection   Zinc die-casting   Material screw connection   Zinc die-casting   Mechanical data   Mounting data  Mounting method   inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.   25 °C    Operating temperature max.   85 °C    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 endangered by excessive bending forces.  Installation   Gable    Sabel identification   G35   Sabel Color   yellow   Stranding   5 wires around Core filler twisted   Filler   yes   Wive arrangement   brown, black, blue, white, green yellow   Traversing distance (C-track)   10 m @ 25 °C   horizontal   Sable repending lacket   PUR   Shore hardness jacket   90 ± 5 Shore A   Freedom from ingredients (jacket)   18 defree, cadmium-free, CFC-free, halogen-free, silicone-free   Dutter-diameter (jacket)   1,25 mm   Duter diameter insulation   1,25 mm   Duter diameter insulation   1,25 mm   Duter diameter tolerance core insulation   125 Shore D   Ingredient freeness wire insulation   126 Head-free, cadmium-free, CFC-free, halogen-free, silicone-free   Amount strands (wire)   42	Additional condition protection degree	inserted, screwed
Mechanical data   Material data Coating locking   Nickeled   Coating locking   Airceled   Airceled   Coating of lifting   Airceled   Coating of lifting   Airceled   Material screw connection   Zinc die-casting   Material screw connection   Zinc die-casting   Mechanical data   Mounting data   Mounting method   Inserted, screwed, Shaking protection    Environmental characteristics   Climatic   Coperating temperature min.   -2.5 °C   Coperating temperature max.   85 °C   Additional condition temperature max.   45 °C   Coperating temperature max.   45 °C   Coper	Pollution Degree	3
Coating locking Nickeled Coating of fitting nickel plated Cocking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deprating temperature min25 °C  Operating temperature min25 °C  Operating temperature mage depending on cable quality  Important installation notes  Vote on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can endangered by excessive bending forces.  Installation   Cable  Table identification   O35  Cable Type 3  Jacket Color yellow  Type of Certificate culfus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  Jacket Color PUR  Shore hardness jacket PUR  Shore hardness jacket PUR  Shore hardness jacket PUR  Shore hardness jacket PUR  Amount wires Color definenter (jacket) 18-8 Mm  Lotter diameter (jacket) 48,8 mm  Coluter diameter (jacket) 4,8 mm  Duter diameter insulation PUR  Amount wires Shore A  Travering dietance core insulation 12-5 Knor D  Duter diameter insulation 70 ± 5 Shore D  Duter diameter insulation 14-20  Type definenter insulation 14-20  Type definenter insulation 19-25 Knor D  Jacket Color Color insulation	Material group (IEC 60664-1)	I
Coating of fitting nickel plated  Zinc die-casting  Alterial screw connection  Machanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min.  - 25 °C  Opporating temperature min.  - 25 °C  Opporating temperature man.  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 ites.  Note on bending radius  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can endangered by excessive bending forces.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can endangered by excessive bending forces.  Installation   Cable  Cable identification  O35  Cable identification  O36  Cable identification  O37  O35  Cable identification  O36  Cable identification  O37  O35  Cable identification  O37  O35  Cable identification  O37  O47  O47  O47  O47  O47  O47  O47	Mechanical data   Material data	
Coating of fitting nickel plated Zinc die-casting Zinc die-casting Makerial screw connection Zinc die-casting Mechanical datal Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Deparating temperature min. 25 °C Deparating temperature min. 25 °C Deparating temperature man. 35 °C Additional condition temperature range depending on cable quality Important installation notes  Vote on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can endangered by excessive bending forces.  Installation   Cable Cable identification 33 Cable Type 3 Cable identification 35 Cable Gortificate Culfus Amount stranding 1 Stranding 5 wires around Core filler twisted yes Wire arrangement brown, black, blue, white, green-yellow ITraversing distance (C-track) 10 m @ 25 °C   horizontal Cable weight 41,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) Leaf-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter diameter (jacket) 1,25 mm Duter diameter insulation 1,25 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands weire insulation 1,25 mm Duter diameter swie insulation 1,25 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 4,2	Coating locking	Nickeled
Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C Operating temperature max. 85 °C  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can endangered by excessive bending forces.  Installation   Cable  Cable identification 035 Cable Type 3 Jacket Color yellow Type of Certificate cURus  Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow Traversing distance (C-track) 10 m @ 25 °C   horizontal Cable weight 41,8 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 48, mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter swire insulation 1,25 smb		
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.		·
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min.  -25 °C  Deparating 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 endangered by excessive bending forces.  Installation   Cable  Zable identification 035  Zable Type 3  Jacket Color yellow  Type of Certificate cURus  Amount stranding 1  Sirrading 5 wires around Core filler twisted  yes  wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Zable weigh 41.8 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 4.8 mm  Folerance outer diameter (jacket) ± 5 %  Material wire insulation PP  Amount wires 5  Duter diameter insulation 10 1.25 mm  Duter diameter insulation 10 1.25 five D  Ingredient frencess wire insulation 10 4.25 five D  Ingredient frencess wire insulation 10 4.25 five D  Ingredient frencess wire insulation 10 1.25 five D  Ingredient frencess wire insulation 10 1.25 five D  Ingredient frencess wire insulation 10 1.25 five D		•
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Environmental characteristics   Climatic  Operating temperature min		inserted screwed Shaking protection
Operating temperature min.  -25 °C Operating temperature max.  85 °C Additional condition 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 endangered by excessive bending forces.  Installation   Cable  Cable dentification  33  Jacket Color Jupe of Certificate  CURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler  yes  wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Alla g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket PUR  Amount wires 5  Outer diameter (slacket) 1,25 mm  Outer diameter (sleateth) 1,25 mm  Outer diameter (olerance core insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation Face, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	<u> </u>	
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 endangered by excessive bending forces.  Installation   Cable  Cable identification 035  Cable Type 3  Jacket Color yellow  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 10 mg 25 °C   horizontal  Cable weigh 41,8 g/m  Material jacket PUR  Shore hardness jacket 99 ± 5 Shore A  Freedom from ingredients (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Duter diameter insulation 1,25 mm  Duter diameter rinsulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42		
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 endangered by excessive bending forces.  Installation   Cable  Cable identification 035  Cable Type 3  Jacket Color yellow  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weight 41,8 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) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation 2 ± 5 %  Shore hardness wire insulation 7 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	· · · ·	
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 endangered by excessive bending forces.  Installation   Cable  Cable identification 035  Cable identification 035  Cable identification 29 and acket Color yellow  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigh 41,8 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  Duter-diameter (jacket) ± 5 %  Material wire insulation PP  Amount wires 5  Duter diameter tolerance core insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	· · · ·	
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 endangered by excessive bending forces.  Installation   Cable    Cable identification 035  Cable identification 035  Cable identification 035  Cable (Installation)   Cable    Cable (Installation)   Cable (Installation)    Cable (Installation)   Cable (Installation)    Cable (Installation)   Cable (Installation)    Cab	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can endangered by excessive bending forces.    Installation   Cable	Important installation notes	
endangered by excessive bending forces.  Installation   Cable  Cable identification 035  Sable Type 3  Jacket Color yellow  Cype of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Fraversing distance (C-track) 10 m @ 25 °C   horizontal  Sable weight 41,8 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  Duter-diameter (jacket) ± 5 %  Amount wires 5  Duter diameter insulation PP  Amount wires 5  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Cable Type 3 Cable Type 4 Cable Type 5 Cable Type 5 Cable Type 5 Cable Type 6 Cable Type 6 Cable Type 6 Cable Type 6 Cable Color 9 Cable Color 6 Cable Color 9 Cable Color 6 Cable Color 6 Cable Color 6 Cable Color 6 Cable Color 7 Cable Color 6 Cable Color 7 Ca	Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Cable Type 3 Jacket Color yellow  Type of Certificate cURus  Amount stranding 1 Stranding 5 wires around Core filler twisted  Stranding 5 wires around Core filler twisted  Filler yes  Wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 41,8 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  Duter-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5 Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Installation   Cable	
Jacket Color Type of Certificate  CURus  Amount stranding  1  Stranding  5 wires around Core filler twisted  Filler  yes wire arrangement  brown, black, blue, white, green-yellow  Traversing distance (C-track)  10 m @ 25 °C   horizontal  Cable weigth  41,8 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)  4,8 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire)  42	Cable identification	035
CURUS  Amount stranding  Stranding  5 wires around Core filler twisted  Filler  yes  wire arrangement  brown, black, blue, white, green-yellow  Traversing distance (C-track)  10 m @ 25 °C   horizontal  Cable weigth  41,8 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)  4,8 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire)  42	Cable Type	3
Amount stranding 1 Stranding 5 wires around Core filler twisted  yes wire arrangement brown, black, blue, white, green-yellow  Fraversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 41,8 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  Duter-diameter (jacket) 4,8 mm  Folerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Jacket Color	yellow
Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 41,8 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  Duter-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Type of Certificate	cURus
yes wire arrangement brown, black, blue, white, green-yellow  Fraversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 41,8 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  Duter-diameter (jacket) 4,8 mm  Folerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Amount stranding	1
wire arrangement brown, black, blue, white, green-yellow  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weigth 41,8 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) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Stranding	5 wires around Core filler twisted
Traversing distance (C-track)  10 m @ 25 °C   horizontal  At 1,8 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)  4,8 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  \$\frac{1}{2}\$ 5 mm  Outer diameter tolerance core insulation  \$\frac{1}{2}\$ 5 Shore D  Ingredient freeness wire insulation  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire)  42	onanding	o who around core micr (wholed
Cable weigth 41,8 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) 4,8 mm  Folerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42		
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)  4,8 mm  Folerance outer diameter (sheath)  4 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  5 Shore hardness wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  Part of the properties of the pro	Filler	yes
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Folerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Filler wire arrangement	yes brown, black, blue, white, green-yellow
Freedom from ingredients (jacket)  Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Luter-diameter (jacket)  4,8 mm  Folerance outer diameter (sheath)  45 %  Material wire insulation  PP  Amount wires  5  Luter diameter insulation  1,25 mm  Luter diameter tolerance core insulation  5  Shore hardness wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  Reduction  Amount strands (wire)  42	Filler wire arrangement Fraversing distance (C-track)	yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal
Outer-diameter (jacket)  4,8 mm  Folerance outer diameter (sheath)  45 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  5 thore hardness wire insulation  70 ± 5 Shore D  Ingredient freeness wire insulation  Head-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire)  42	Filler  vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket	yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal 41,8 g/m PUR
Folerance outer diameter (sheath) ±5 %  Material wire insulation PP  Amount wires 5  Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation ±5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Filler vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket	yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal 41,8 g/m PUR
Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Filler wire arrangement Fraversing distance (C-track) Cable weigth Material jacket Shore hardness jacket	yes brown, black, blue, white, green-yellow 10 m @ 25 °C   horizontal 41,8 g/m PUR 90 ± 5 Shore A
Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Filler  wire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)	yes brown, black, blue, white, green-yellow  10 m @ 25 °C   horizontal  41,8 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Filler  vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)	yes brown, black, blue, white, green-yellow  10 m @ 25 °C   horizontal  41,8 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,8 mm  ± 5 %
Duter diameter tolerance core insulation ±5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Filler  vire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)	yes brown, black, blue, white, green-yellow  10 m @ 25 °C   horizontal  41,8 g/m PUR  90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,8 mm ± 5 % PP
Shore hardness wire insulation 70 ± 5 Shore D  ngredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Filler wire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)  Material wire insulation	yes brown, black, blue, white, green-yellow  10 m @ 25 °C   horizontal  41,8 g/m PUR  90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,8 mm ± 5 % PP
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42	Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	yes brown, black, blue, white, green-yellow  10 m @ 25 °C   horizontal  41,8 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,8 mm  ± 5 %  PP  5  1,25 mm
Amount strands (wire) 42	Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	yes  brown, black, blue, white, green-yellow  10 m @ 25 °C   horizontal  41,8 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,8 mm  ± 5 %  PP  5  1,25 mm  ± 5 %
,	Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	yes brown, black, blue, white, green-yellow  10 m @ 25 °C   horizontal  41,8 g/m PUR  90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,8 mm ± 5 % PP  5  1,25 mm ± 5 % 70 ± 5 Shore D
Diameter of single wires 0,1 mm	Filler  wire arrangement  Traversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation	yes brown, black, blue, white, green-yellow  10 m @ 25 °C   horizontal  41,8 g/m  PUR  90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,8 mm ± 5 %  PP  5  1,25 mm ± 5 %  70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	Filler wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Amount strands (wire)	yes  brown, black, blue, white, green-yellow  10 m @ 25 °C   horizontal  41,8 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,8 mm  ± 5 %  PP  5  1,25 mm  ± 5 %  70 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,34 mm <sup>2</sup>	Filler  wire arrangement  Fraversing distance (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Duter-diameter (jacket)  Folerance outer diameter (sheath)  Material wire insulation  Amount wires  Duter diameter insulation  Duter diameter tolerance core insulation  Shore hardness wire insulation  amount strands (wire)  Diameter of single wires	yes  brown, black, blue, white, green-yellow  10 m @ 25 °C   horizontal  41,8 g/m  PUR  90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  4,8 mm  ± 5 %  PP  5  1,25 mm  ± 5 %  70 ± 5 Shore D  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  42  0,1 mm

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-08



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	4,5 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	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (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