

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

PUR 5x0.34 ye UL/CSA+drag ch. 2m

Male 90° - female 90°

M12 - M12, 5-pole

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

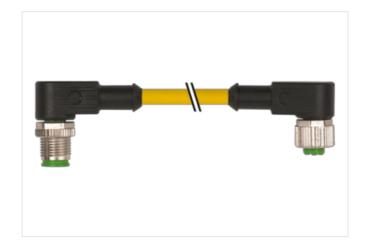
Plastic housings with good resistance against chemicals and oils.

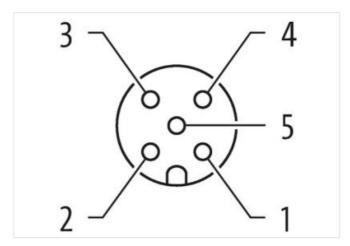
The resistance to aggressive media should be individually tested for your application. Further details on request.

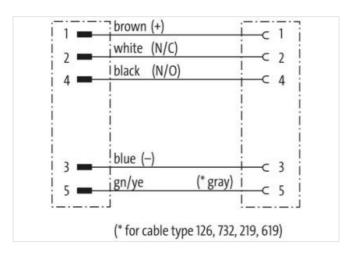
Further cable lengths on request.

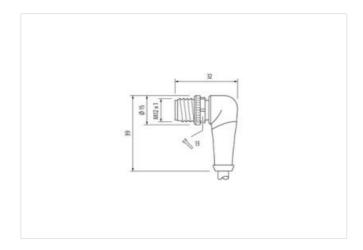
## **Link to Product**

## Illustration



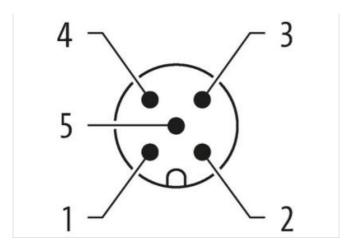


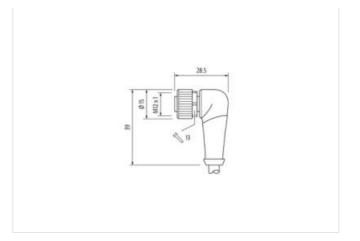






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Cable length





2 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
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 $\emptyset$ )	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	4048879172301
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: 2024-06-02



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Downstring voltage DC max. 125 V  Downstring voltage AC (UL isleed) 30 V  Durrent operating voltage AC (UL isleed) 30 V  Durrent operating potent of UL isleed) 30 V  Device protection   Electrical    Motivational condition protection degree   MI2 x 1  Device protection   Electrical    Motificinal condition protection degree   Mi2 x 1  Device protection   Electrical    Motificinal condition protection degree   Mi2 x 1  Device protection   Electrical    Motificinal condition protection degree   Mickeled    Motificinal condition protection degree   Mickeled    Motificinal condition protection degree   Mickeled    Southing roth fifting   Nickeled    Moternal screw connection   Zinc dis-casting    Moternal scr	Electrical data   Supply	
Sportaling voltage DC (UL-isted)   30 Y	Operating voltage AC max.	125 V
Coperating voltage DC (UL-listed) 30 V  Turners operating per contact max. 4 A  Maintallation (Condition (Characteristics) 4 A  Mounting set M12 x 1  Device protection (Electrical  Miditional condition protection degree inserted, screwed  Pollution Digree 3  Material group (IEC 00064-1) I  Machanical data (Material data  Coating of fitting nickel plated  Coating nickel plated  Coating of fitting nickel plated  Coating nickel plate		
Current operating per contact max. 4 A  Installation   Connection  Mounting set   M12 x 1  Device protection   Electrical  Additional condition protection degree   inserted, screwed    Pollution Degree   3  Material group (EC 60664-1)   1  Mechanical data   Material data    Conting of Cotting   Cotting   Nickeled   Conting of Infing   nickel plated   Cotting of Infing   nickel plated   C	1 0 0 1	
Installation   Connection  Wounting set		
Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Material group (IEC 60964-1)   I  Mechanical data   Material data  Coating locking Material data  Coating of fitting nickel plated  Coating of the manual coating the material waterial screw connection nickel plated  Coating of fitting nickel plated  Coating ni	Current operating per contact max.	4 A
Device protection   Electrical  Additional condition protection degree   inserted, screwed    Pollution Degree   3    Mechanical data   Material data    Southing Locking   Nickeled    Southing Method   Inserted, screwed, Shaking protection    Environmental Characteristics   Climatic    Superating temperature min.   -25 °C    Superating 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.    Afterition: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.    Installation   Cable    wire arrangement   brown, black, blue, white, green-yellow    Sabel Gordinication   035    Sabel Color   yellow    Culffus    Winout stranding   1    Stranding   5 wires around Core filler twisted    Stranding   1    Stranding   5 wires around Core filler twisted    Strandi	Installation   Connection	
Additional condition protection degree inserted, screwed  Pollution Degree 3  Markerial group (IEC 60664+1) I  Mechanical data   Material data  Coating of fitting nickel plated  Coating nickel plated  Coating of fitting nickel plated  Coating of fitting nickel plated  Coating of fitting nickel plated  Coating nick	Mounting set	M12 x 1
Authorial group (IEC 60664-1) I Coating looking Mickeled Coating looking Nickeled Coating looking Nickeled Coating fifting nickel plated Looking material Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Cimule Coperating temperature min.  Operating temperature min.  Operating temperature max.  Operating temperature range  Operating temperature max.  Operating tem	Device protection   Electrical	
Material group (EC 60664-1)  Mochanical data   Material data  Coating looking Nickeled  Coating looking nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection  Zinc die-casting  Material screw connection  Zinc die-casting  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating lamperature min.  25 °C  Operating lamperature max.  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relied 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.  Installation   Cable  wire arrangement  Cable identification  035  Cable Type  3  3  3  3  3  3  3  3  3  3  3  3  3	Additional condition protection degree	inserted, screwed
Mechanical data   Material data   Mickeled   Coating of filting   mickel plated   Coating of filting   mickel plated   Coating of filting   mickel plated   Coating of filting   Coating of filting   Material   Zinc die-casting   Material screw connection   Zinc die-casting   Mounting data   Mounting data   Mounting data   Mounting data   Mounting method   miserted, screwed, Shaking protection   Coating	Pollution Degree	3
Coating locking Nickeled nickel plated   Coating of Ritting   nickel plated   Coding 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 min.   25 °C   Operating temperature max.   85 °C   Additional condition temperature range   depending on cable quality   Important installation notes   Note on strain retel   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 radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.   Installation   Cable   Wire arrangement   brown, black, blue, white, green-yellow   Sabe identification   OSS   Salectic Color   yellow   Stranding   5 wires around Core filler twisted   Filler   yes   Wire arrangement   brown, black, blue, white, green-yellow   Stranding   5 wires around Core filler twisted   Filler   yes   Wire arrangement   brown, black, blue, white, green-yellow   Sale identification   OSS   Sale in the protection of the prot	Material group (IEC 60664-1)	I
Coating of fitting nicket plated Locking material Zinc die-casting Alterial screw connection Zinc die-casting Makerial screw connection Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min. 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.  Installation   Cable  Wire arrangement brown, black, blue, white, green-yellow Cable identification 035 Cable Type 3 Jacket Color yellow Type of Certificate culffus Amount stranding 1 Stranding 5 wires around Core filler twisted Fieller yes  Wire arrangement brown, black, blue, white, green-yellow Cable weigth 41,8 g/m  Material jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strander (jacket) 1,8 mm  Tolerance outer diameter (scheath) 2,5 %  Material jacket 1,9 PP  Amount strander fiesheath 1,25 mm  Dutter diameter insulation PP  Amount strander fiesheath 1,25 mm  Dutter diameter tolerance core insulation 1,25 mm  Dutter diameter insulation 1,25 mm  Dutter diameter solution 1,25 mm  Dutter diameter tolerance core insulation 1,25 mm  Dutter diameter solution 1,25 m	Mechanical data   Material data	
Coating of fitting nickel plated Locking material Zinc die-casting Alterial screw connection Zinc die-casting Macharial screw connection Macharial screw connection  Macharial screw connection  Macharial screw connection  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  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.  Installation   Cable  Wire arrangement brown, black, blue, white, green-yellow  Cable identification 035  Cable Type 3  Jacket Color yellow  Type of Certificate culffus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Fieller yes  Wire arrangement brown, black, blue, white, green-yellow  Cable weigth 41,8 g/m  Material jacket PUR  Attending ispacet PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Material jacket 1,25 mm  Outer diameter (jacket) 1,25 mm  Outer diameter (isoket) 1,25 mm  Outer diameter tolerance core insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1,25 mm  Direct of single wires 0,1 mm	Coating locking	Nickeled
Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow  Cable identification 33  Sacket Color yellow  Type of Certificate classification 1  Stranding 5 wires around Core filler twisted  yes  wire arrangement brown, black, blue, white, green-yellow  Cable weigh 41,8 g/m  Material jacket PUR  Shore hardness jacket 90 £ S Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Material wire insulation PP  Annount strandiculation PPP  Annount stra		
Material screw connection Zinc die-casting  Mechanical data   Mounting data  Wounting 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.  Installation   Cable  Write arrangement brown, black, blue, white, green-yellow  Cable identification 33  Zable Type 3  Zable Type 3  Zable Color yellow  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  Write arrangement brown, black, blue, white, green-yellow  Zable weight 41,8 gm  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount siral ciameter (jacket) 4,8 mm  Duter diameter (jacket) 5 5  Waterial wire insulation PP  Amount wires 5  Outer diameter fusivation 70 ± 5 Shore D  Duter diameter tolerance core insulation 70 ± 5 Shore D  Duter diameter finsulation 1,25 mm  Duter diameter tolerance core insulation 1,25 mm  Duter diameter finsulation 1,25 mm  Duter diameter finsulation 1,25 mm  Duter diameter solvation 1,25 mm  Duter diamete		·
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.  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow  Zable identification 035  Jacket Color yellow  Type of Certificate cUPius  Amount stranding 1  Sixneding 5 wires arround Core filler twisted  Filler yes  Wire arrangement brown, black, blue, white, green-yellow  Zable wight 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  Amount wires  5 Willer and the silicone-free  Outer diameter (jacket) 1,25 mm  Outer diameter robustation 70 ± 5 Shore D  Ingredient freeness wire insulation 1,25 mm  Outer diameter tolerance core insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1,26 mm  Outer of single wires 0,1 mm		
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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable    wire arrangement brown, black, blue, white, green-yellow  Cable identification 035  Jacket Color yellow  Type of Certificate cluRus  Amount stranding 1  Stranding 5 wires arround Core filler twisted  Filler yes  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 14,8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Douter diameter bolerance core insulation 19 ± 5 Shore D  Ingredient freeness wire insulation 19 ted. Free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter bolerance core insulation 19 ± 5 Shore D  Ingredient freeness wire insulation 19 ted. Free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter tolerance core insulation 19 ± 5 Shore D  Ingredient freeness wire insulation 19 ted. Free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter tolerance core insulation 19 ± 5 Shore D  Ingredient freeness wire insulation 19 ted. Free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter tolerance core insulation 19 ± 5 Shore D  Ingredient freeness wire insulation 19 ted. Free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter tolerance core insulation 19 ± 5 Shore D  Ingredient freeness wire insulation 19 ± 5 Shore D		
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  Note on strain relief  Note on brain radius  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  wire arrangement  brown, black, blue, white, green-yellow  Cable identification  O35  Cable Type  3  Jacket Color  yellow  Type of Certificate  culRus  Amount stranding  5 wires around Core filler twisted  yes  wire arrangement  brown, black, blue, white, green-yellow  Cable weigh  41,8 g/m  Material jacket  PUR  Shore hardness jacket  PUR  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  Last free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (gacket)  4.8 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter tolerance core insulation  70 ± 5 Shore D  Integredient freeness wire insulation  125 from  Outer diameter insulation  125 from  Fingerdient freeness wire insulation  126 from  Fingerdient freeness wire insulation  70 ± 5 Shore D  Integredient freeness wire insulation  Fingerdient freeness wire ins	· · · · · · ·	inserted coround Shaking protection
Operating temperature min.  2-25 °C Operating temperature max.  85 °C Additional condition temperature range  depending on cable quality  Important installation notes  Note on strain relief Note on brain relief 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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  Wrive arrangement  brown, black, blue, white, green-yellow  2-able identification  035 Cable Type  3  3  3  3  3  3  3  3  3  3  3  3  3		<del>-</del> '
Derating temperature max.  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.  Installation   Cable  Wire arrangement brown, black, blue, white, green-yellow  Cable identification 035  Cable Type 3  Jacket Color yellow  Type of Certificate cURius  Amount stranding 1  Sitrading 5 wires around Core filler twisted  yes  Wire arrangement brown, black, blue, white, green-yellow  Cable weight 41.8 g/m  Material jacket PUR  Shore hardness jacket PUR  Tolerance outer diameter (jacket) 4.8 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Duter diameter insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 ead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strandis (wire) 42  Diameter of single wires 0,1 mm	·	
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.  Installation   Cable  Wire arrangement brown, black, blue, white, green-yellow  Zable identification 335  Jacket Color yellow  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Zable weigh 41,8 g/m  Waterial jacket PUR  Schore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter (sheath) ± 5 %  Material wire insulation 70 ± 5 Shore D  Duter diameter insulation 124,9 mm  Amount strands (wire) 42  Diameter of single wires 0,1 mm	Operating temperature min.	-25 °C
Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable  Wire arrangement brown, black, blue, white, green-yellow  Cable identification 035  Cable Type 3  Cable Type 3  Cable Type 3  Cable Type 1  Carrificate CURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  Wire arrangement brown, black, blue, white, green-yellow  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  Duter-diameter (jacket) 4,8 mm  Folerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 125 Shore D  Ingredient freeness wire insulation 126 Shore A  Freedom freeness wire insulation 125 Shore D  Ingredient freeness wire insulation 126 Shore D	<u> </u>	
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.  Installation   Cable  Vire arrangement brown, black, blue, white, green-yellow Cable identification 035 Cab	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable    wire arrangement   brown, black, blue, white, green-yellow    Cable identification   035    Cable identifica	Important installation notes	
Installation   Cable  wire arrangement brown, black, blue, white, green-yellow  Cable identification 035  Cable Type 3  Cable Type 3  Calcet 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  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  Cuter-diameter (jacket) ± 5 %  Material wire insulation PP  Amount wires 5  Cuter diameter noterance core 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  Amount strands (wire) 42  Diameter of single wires 0,1 mm	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
brown, black, blue, white, green-yellow  3 3  Jacket Color yellow  Type of Certificate cURus  Amount stranding 1  Shore hardness wire insulation per diameter (bleance ore insulation purples)  Journal of Market (and the free, cadmium-free, CFC-free, halogen-free, silicone-free amount stranding the fire neess wire insulation per diem to free, cadmium-free, CFC-free, halogen-free, silicone-free  Journal of the mount stranding the mount strands (wire) the mount strands (	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 identification 035 Cable Type 3 Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Freedom from ingredients (jacket) 4,8 mm Colerance outer diameter (sheath) ± 5 % Amount stranding PP Couter diameter insulation 1,25 mm Couter diameter core insulation 70 ± 5 Shore D 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	Installation   Cable	
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           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           Diameter of single wires         0,1 mm	wire arrangement	brown, black, blue, white, green-yellow
Blacket 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           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           Diameter of single wires         0,1 mm	Cable identification	035
Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  Wire arrangement brown, black, blue, white, green-yellow  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 25 Shore D  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	Cable Type	3
Amount stranding 5 wires around Core filler twisted  Stranding 5 wires around Core filler twisted  yes  wire arrangement brown, black, blue, white, green-yellow  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  Diameter of single wires 0,1 mm	Jacket Color	yellow
Stranding 5 wires around Core filler twisted  yes wire arrangement brown, black, blue, white, green-yellow  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  Diameter of single wires 0,1 mm	Type of Certificate	cURus
Filler yes wire arrangement brown, black, blue, white, green-yellow  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  Diameter of single wires 0,1 mm	Amount stranding	1
wire arrangement brown, black, blue, white, green-yellow  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 ± 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  Diameter of single wires 0,1 mm	Stranding	5 wires around Core filler twisted
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  Diameter of single wires 0,1 mm	Filler	yes
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  Pamount strands (wire)  42  Diameter of single wires  Outer diameter tolerance core insulation  0,1 mm	wire arrangement	brown, black, blue, white, green-yellow
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  Diameter of single wires 0,1 mm	Cable weigth	41,8 g/m
Freedom from ingredients (jacket)  Duter-diameter (jacket)  4,8 mm  Tolerance outer diameter (sheath)  45 %  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  Amount strands (wire)  42  Diameter of single wires  1,8 mm  4,8 mm  4,8 mm  4,8 mm  4,8 mm  4,9 mm  4,8 mm	Material jacket	
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  Amount strands (wire)  42  Diameter of single wires  0,1 mm	Shore hardness jacket	90 ± 5 Shore A
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  Diameter of single wires 0,1 mm	reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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  ngredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm	Outer-diameter (jacket)	4,8 mm
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  Diameter of single wires 0,1 mm		_ F 0/
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  Diameter of single wires 0,1 mm	Folerance outer diameter (sheath)	13 %
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  Diameter of single wires 0,1 mm		
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  Diameter of single wires 0,1 mm	Material wire insulation	PP
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	Material wire insulation Amount wires	PP 5
Amount strands (wire) 42 Diameter of single wires 0,1 mm	Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation	PP 5 1,25 mm
Diameter of single wires 0,1 mm	Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation	PP 5 1,25 mm ± 5 % 70 ± 5 Shore D
	Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation	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>	Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)	PP 5 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free 42
55. Head of 5.555555 (Mile)	Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation  Shore hardness wire insulation  Ingredient freeness wire insulation  Amount strands (wire)  Diameter of single wires	PP 5 1,25 mm ± 5 % 70 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42 0,1 mm



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
No. of bending cycles (C-track)	10 Mio. @ 25 ℃
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min