

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

PUR 5x0.34 ye UL/CSA+drag ch. 0.6m

$$\label{eq:male_straight} \begin{split} &\text{Male straight}-\text{female }90^\circ\\ &\text{M12}-\text{M12, 5-pole}\\ &3\times\text{ LED (PNP), (NPN)} \text{ on request} \end{split}$$

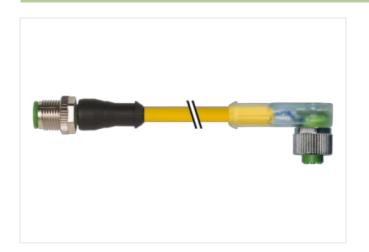
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

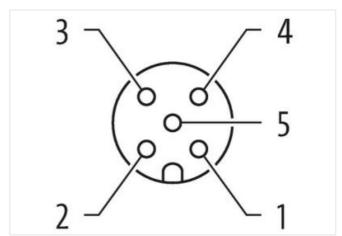
Plastic housings with good resistance against chemicals and oils.

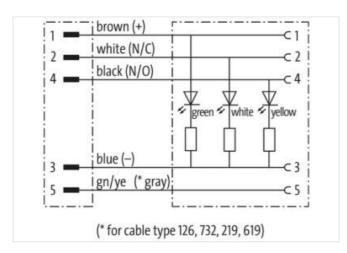
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

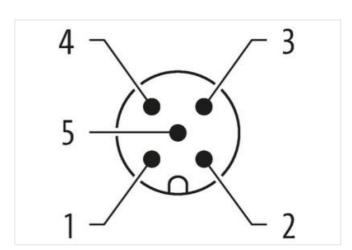
## **Link to Product**

## Illustration



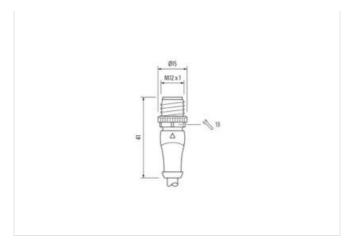


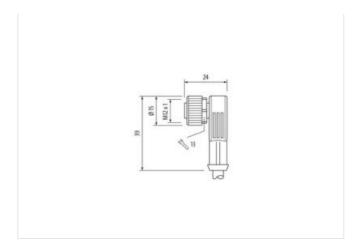






## stay connected





Product may differ from Image











Cable length	0,6 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
No. of poles	5
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
Coding	A
Material	PUR
No. of poles	5
Width across flats	SW13
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



stay connected

Pereintal data   Supply	GTIN	4048879168991
Departing voltage D Cm   18 V	Packaging unit	1
Departing voltage D Cm   18 V	Electrical data   Supply	
Sperating voltage DC min. 18 V Sperating voltage DC max. 30 V Sperating voltage DC max. (UL-listed) 30 V Sperating voltage DC max. (UL-listed) 30 V Sperating voltage DC max. (UL-listed) 30 V Starten to protein protein per contact max. 4 A  Disperation Control LED green, white, yellow Installation ICED green,		24 V
	,	
Sparsa   S		
Diagnostics Status Indication LED green, white, yellow Installation   Connection Wounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3  Rated surge voltage 0,8 kV Material group (EC 00064-1) I  Mochanical data   Material data  Coating of hitting nickel plated Coating of hitting nickel p		30 V
Status indication LED green, white, yellow  Installation   Connection  Mounting set   M12 x 1  Additional condition protection degree inserted, screwed  Pollution Degree   3  Rated surge voltage   0,8 kV    Material group (IEC 60664-1)   1  Mechanical data   Material data  Coating of citing   nickel plated   Coating of thing   nickel plated   Coating of citing   nickel plated   Coating o	Current operating per contact max.	4 A
Installation   Connection   Mounting set   M12 x 1  Device protection   Electrical   Mactitional condition protection degree   inserted, screwed   Pollution Degree   3   Rated surge vottage   0,8 kV   Makerial group (IEC 80884-1)   1   Mechanical data   Material data   Coating locking   Nickeled   Coating locking   Nickeled   Coating locking   Nickeled   Coating of poking   Coating of poking   Nickeled   Coating of poking   Coating of poki	Diagnostics	
Nounting set M12 x 1  Pevice protection   Electrical   Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 0,8 kV   Autorial group (EC 606641)   1  Coating locking   Nickeled   Coating locking   Nickeled   Coating locking   Nickeled   Coating of fitting   nickel plated   Coating of fitting   nickel plated   Coating of fitting   Nickeled   Coating of fitting of fitti	Status indication LED	green, white, yellow
Device protection   Electrical Additional condition protection degree inserted, screwed  3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Installation   Connection	
Additional condition protection degree         inserted, serewed           Pollution Degree         3           Reled surge voltage         0,8 kV           Material group (EC 60684-1)         1           Machanical data   Material data           Coating locking         Nickeled           Coating locking         nickele plated           Locking material         Zinc die-casting           Material serew connection         Zinc die-casting           Waterial serew connection         Zinc die-casting           Material serew connection         Zinc die-casting           Word under data   Mounting data         Machanical data   Mounting data           Word control data   Mounting data           Serewed, Shaking protection           Environmental characteristics   Climatic           Environmental characteristics   Climatic         25 °C           Operating lemperature max.         45 °C           Additional condition temperature may.         45 °C           Voluncian installation notes         Attention: Coserve the permissible beneating radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.           Voluncian production temperature max.         Attention: Coserve the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bendi	Mounting set	M12 x 1
Pollution Degree 3 Rated surge voltage 0,8 kV  Mactrail group (IEC 60684-1) I  Macchanical data   Material data Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc disc-asting Material screw connection  Material screw connection Zinc disc-asting Material screw connection  Material screw connection  Material screw connection  Material screw connection  Zinc disc-asting Material screw Connectors (Shaking protection  Environmental characteristics   Climatic  Diperating temperature min25 °C  Conditional 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 addi when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard Dix No EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow  Zable identification 035  Zable Type   Carlificate CURus  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Zable weight 41,8 g/m  Material jacket   PUR  Shore hardness jacket   PUR  Shore hardness jacket   PUR  Shore hardness jacket   PUR  Shore hardness jacket   4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Device protection   Electrical	
Rated surge voltage 0,8 kV Material group (IEC 80864-1) I  Coating looking Nickeled Coating folking nickel plated Coating folking nickel plated Coating of fitting nickel plated Coating ni	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mochanical data   Material data  Coating locking Nickeled  Coating of titting nickel plated  Locking material screw connection Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mechanical data   Mounting data  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating 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 slandard DIN EN 61076-2-101 (M12)  Installation   Cable  Wire arrangement brown, black, blue, white, green-yellow  Cable identification 035  Cable Type 3  Jakket Cofor yellow  Type of Certificate CURus  Amount stranding 1  Sizurading 5 wires around Core tiller twisted  Filler yes  Wire arrangement brown, black, blue, white, green-yellow  Cable weight 41.8 gm  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket PUR  Shore hardness jacket 1  Douter-diameter (jacket) 4.8 mm  Tolerance outer diameter (sheath) 4.5 %	Pollution Degree	3
Mechanical data   Material data   Mickeled   Nickeled	Rated surge voltage	0,8 kV
Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Macerial screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deperating temperature min. 25 °C Opperating temperature min. 25 °C Opperating temperature many 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    Installati	Material group (IEC 60664-1)	I
Coating of fitting   nickel plated	Mechanical data   Material data	
Coating of fitting naterial Zinc die-casting Material screw connection 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   Coperating temperature min.	Coating locking	Nickeled
Locking material Zinc die-casting  Material screw connection sinserted, screwed, Shaking protection  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min.		nickel plated
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  wire arrangement brown, black, blue, white, green-yellow  Cable identification 035  Cable Type 3  Jacket Color yellow  Type of Cartificate 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 99 ± 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 %	Locking material	Zinc die-casting
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  wire arrangement brown, black, blue, white, green-yellow  Cable identification 035  Cable Type 3  Jacket Color yellow  Type of Certificate cURus  Amount stranding 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 ± 5 Shore A  Freedom from ingredients (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Material screw connection	Zinc die-casting
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  wire arrangement brown, black, blue, white, green-yellow  Cable identification 035  Jacket Color yellow  Type of Certificate cURius  Amount stranding 1  Stranding 5 wires around Core filler twisted  Filler yes  wire arrangement brown, black, blue, white, green-yellow  Cable weigh 41,8 g/m  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Mechanical data   Mounting data	
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  wire arrangement brown, black, blue, white, green-yellow Cable identification 035  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 weighh 41,8 g/m  Material jacket PUR  Shore hardness jacket   PUR  Shore hardness jacket   PUR  Shore hardness jacket   PUR  Shore from ingredients (jacket)   Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Mounting method	inserted, screwed, Shaking protection
Operating 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.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow  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  Cable weigth 41,8 g/m  Material jacket PUR  Shore hardness jacket  Freedom from ingredients (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %	Environmental characteristics   Climatic	
Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  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  wire arrangement brown, black, blue, white, green-yellow 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  Cable weight 41,8 g/m  Material jacket PUR  Shore hardness jacket 90±5 Shore A  Freedom from ingredients (jacket) 4,8 mm  Tolerance outer diameter (sheath) ±5 %	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.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow 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 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 %	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.  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  wire arrangement brown, black, blue, white, green-yellow 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 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 %	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.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow  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  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 %	Important installation notes	
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  wire arrangement brown, black, blue, white, green-yellow  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  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 %	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Conformity         DIN EN 61076-2-101 (M12)           Installation   Cable         Installation   Cable           wire arrangement         brown, black, blue, white, green-yellow           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           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 %	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue, white, green-yellow  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  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) ± 5 %	Conformity	
Installation   Cable wire arrangement brown, black, blue, white, green-yellow 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 Cable weigth 41,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4,8 mm Tolerance outer diameter (sheath) ± 5 %	•	DIN EN 04070 0 404 (M40)
brown, black, blue, white, green-yellow 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 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) ± 5 %		DIN EN 61076-2-101 (M12)
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 Cable weigth 41,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4,8 mm Tolerance outer diameter (sheath) ± 5 %	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 %	wire arrangement	<u> </u>
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 %	Cable identification	
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 %	Cable Type	
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 %		•
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 %		
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 %		
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 %		
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  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %		
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 %		
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 %		·
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 %		
Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) ± 5 %		
Tolerance outer diameter (sheath) ± 5 %		·
	Tolerance outer diameter (sheath)	· · · · · · · · · · · · · · · · · · ·
	Material wire insulation	PP

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: 2024-06-22

Torsion stress

Torsion speed



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
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	4,5 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 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C

± 180 °/m

35 cycles/min