

#### M8 male 0° / M8 female 0° A-cod.

PVC 3x0.25 ye UL/CSA 0.6m

Art.No.: 7000-88001-0100060

Weight: 0.025 Country of origin: US

Model designation: MSFL0-H-R010 0.6

# Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

#### **Product details:**

Male straight - female straight

M8 - M8, 3-pole

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

Further cable lengths on request.

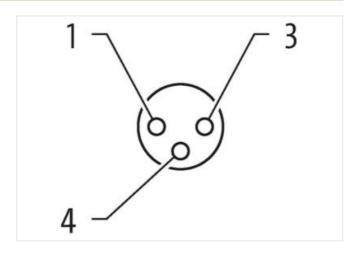
Plastic housings with good resistance against chemicals and oils.

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

## **Link to Product**

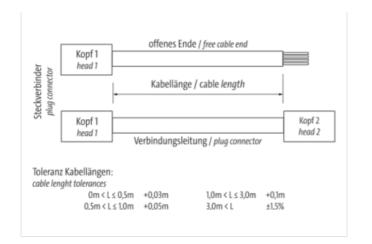
# Illustration

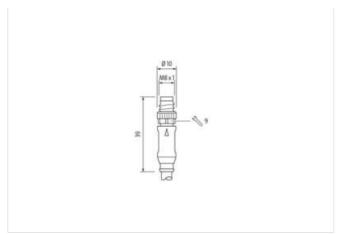


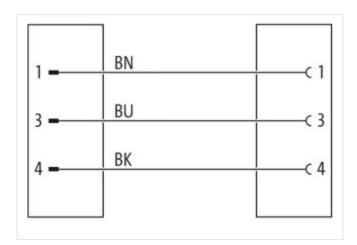


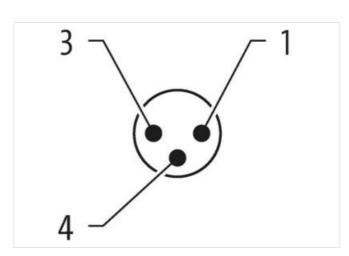


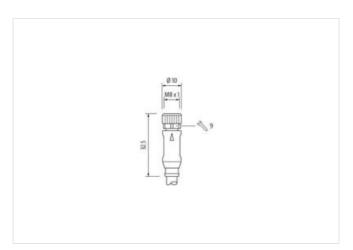
stay connected











Product may differ from Image











Cable length

0,6 m

Side 1

**Tightening torque** 

0,4 Nm



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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Gender	male
Cable outlet	straight
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
Gender	female
suitable for corrugated tube (internal Ø)	6,5 mm
Cable outlet	straight
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879132275
EAN	4048879132275
Packaging unit	1
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Degree or protection (EN IEC 00329)	11 00, 11 01, 1100, 11000



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Additional condition protection degree   Inserted, screwed   Pollution Degree   3 Rated strays voltage   1,5 k/V   Material group (EC 60664+1)   1 Mechanical data   Material data   Material data   Material data   Material data   Material group (EC 60664+1)   1 Mechanical data   Material data   Material data   Material gasket   PKM   Locking material   Zinc die-casting   Mechanical data   Mounting data   Mounting method   Inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Operating temperature min.   -30 ° C   Operating tempera	Additional	to control account of
Retied surge voltage 1,5 kV Material group (TEC 80664-1) 1  Machanical data (Material data Machanical Material gaset PKM Material plocking Nickeled Material gaset FKM Locking material 2 Inc die-easting Mechanical data (Mounting data Material gaset FKM Locking material Simulation (Simulation data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics [ Climatic Operating temperature max. 30 °C Operating temperature max. 38 °C Operating temperature max. 38 °C Operating temperature max. 48 °C Operating temperature max. 49 °C Operating temperature m		
Mechanical data   Material data   Material process   PUR   Costing locking   Niceled   Niceled   Material pasket   FKM   Cocking material   South   Material pasket   FKM   Cocking material   Mounting data   Mounting method   Inserted, screwed, Shaking protection   Environmental characteristics   Climatic   Coparating temperature min.   30 °C   Operating temperature min.   400 °C   Operating temperature many   45 °C   Additional condition temperature range   45 °C   Additional condition temperature range   45 °C   Additional condition temperature range   45 °C   Note on stain relate   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on stain relate   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on stain relate   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. 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   Vision		
Material housing PUR Coating locking Nitelede Material gasket FKM Locking material Coating material Locking material Mounting method Inserted, screwed, Shaking protection Environmental characteristics   Climatic Poperating temperature min. Again Coperating temperature max. Additional condition temperature range Additional condition temperature range Repending 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 Altention: Observe the permissible bending forces.  Conformity Product standard DIN EN 81076-2-114 (M8) Installation   Cable Wire arrangement Drown, black, blue Cable identification Office Cable Type 1 Jacket Color yellow Yellow Jord Color Yellow Amount stranding 1 1 1 3 wires twisted Wire arrangement Drown, black, blue Cable weight Material jacket PVC Shore hardness wire insulation PVC Amount wires 3 Culter-diameter (jacket) Outer-diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Canductor vire (wire) Shore hardness wire insulation PVC Amount wires 1,3 mm Canductor vire (wire) Shore hardness wire insulation 1,4 mm Diameter of single wire  1,45 mm Canductor vire (wire) Shore hardness wire insulation 1,25 mm Canductor vire (wire) Shore hardness wire insulation 1,25 mm Canductor vire (wire) Shore hardness wire insulation 1,25 mm Canductor vire (wire) Shore hardness wire insulation 1,25 mm Canductor vire (wire) Shore hardness wire insulation 1,25 mm C		·
Material housing PUR Coating locking Nickeled Material gasket FKM Locking material Zinc die-casting Mechanical data   Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics   Climatic Operating temperature min. 90 °C Operating temperature min. 90 °C Operating temperature man. 95 °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 Installation (2able Installation (2able Vive arrangement brown, black, blue Cable identification 010 Cable Type 1 1 Stranding 1 1 Stranding 3 wires twisted Wire arrangement brown, black, blue Cable identification Units (2.5 Spr.)  Store hardness jacket PVC Shore hardness jacket PVC  Material jacket PVC  Amount strangement jacket) 4,5 mm Material jacket PVC  Material protective wire insulation pod machinality Ingredient renates wire insulation pod machinality Ingredient renass wire insulation pod machinality Ingredient pod poper wire, bare Conductor vive (25 mm) Conductor vive (25	,	
Coating locking Material gasket FKM  Chocking material Zinc dic-easting  Mechanical data   Mounting data  Mounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min30 °C  Operating temperature min30 °C  Operating temperature max35 °C  Operating temperature max35 °C  Operating 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 radiu when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61078-2-114 (M8)  Installation   Cable    wire arrangement brown, black, blue  Cable identification 010  Cable (Type 1 1  Salced Color yellow  Type of Certificate cURus  Amount stranding 1 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigh 29.37 g/m  Material jacket PVC  Shore hardness jacket 185 Shore A  Freedom from ingredients (gacket) 183 *5 Shore A  Freedom from ingredients (gacket) 183 *5 Shore A  Freedom from ingredients (gacket) 183 *5 Shore A  Freedom from ingredients (gacket) 182 *5 mm  Outer diameter insulation 125 mm  Outer diameter insulation 125 mm  Outer diameter insulation 180 pcd of the protection of th	Mechanical data   Material data	
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Locking material         Zinc die-casting           Mechanical datal Mounting data         Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -30 °C           Operating temperature max.         65 °C           Additional condition temperature may.         65 °C           Additional condition temperature may.         65 °C           Most 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 61076-2-114 (M8)           Installation   Cable         brown, black, blue           Value Type         1           Jacket Color         yellow           Type of Certificate         CuBus           Amount stranding         1           Stranding         3 wires twisted           Wrie arrangement         brown, black, blue           Cable weight         29,37 ym           Material picket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket) <th< td=""><td>Coating locking</td><td>Nickeled</td></th<>	Coating locking	Nickeled
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature min.	Material gasket	FKM
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.	Locking material	Zinc die-casting
Environmental characteristics   Climatic Operating temperature min. Operating temperature max. 85 °C Additional condition temperature range temperature max. Note on strain rolled Note on strain rolled 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 61076-2-114 (M8) Installation   Cable wire arrangement Drown, black, blue Cable identification 010 Cable dentification 010 Cable (Certificate CulRus Amount stranding 1 Stranding 3 wires twisted wire arrangement Drown, black, blue Cable very the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity Product standard DIN EN 61076-2-114 (M8) Installation   Cable Wire arrangement Drown, black, blue Cable (Gentification 010 Cable (Tertificate CulRus Amount stranding 1 Stranding 3 wires twisted wire arrangement Drown, black, blue Cable weight 29,37 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness jacket PVC Amount wires 3 Cuter diameter (jacket) 4,5 mm  Tolerance outer diameter (seath) 4,5 mm  Tolerance outer diameter (seath) 1,25 mm  Outer diameter tolerance core insualition PVC Amount wires 3 Cuter diameter tolerance core insualition PVC Amount straind (wire) 14 Diameter tolerance core insualition On performens wire insulation Stranding (wire) 14 Diameter of single wires 0,15 mm  Conductor crosssection (wire) Stranded copper wire, bare Conductor type (wire) Outlow tollogs AC max. OUN PUR C298-4	Mechanical data   Mounting data	
Operating temperature max. 85 °C Operating temperature max. 85 °C Additional condition temperature range Important installation network additional conditions are supported by accessive bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.  Conformity  Product standard  DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement  Drown, black, blue Cable identification  O10 Cable Type  1 1 Jacket Color yellow Jacket Color yellow Jacket Color Joe Cartificate  CURUs  Amount stranding  1 1 Stranding 3 wires twisted wire arrangement Drown, black, blue  Cable weight 29,37 gim Material jacket PVC  Shore hardness jacket PVC  Shore hardness jacket  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) 25 %  Shore hardness wire insulation PVC  Amount wires  3 Outer diameter insulation PVC  Amount strands (wire) 14 Diameter of single wires 0,15 mm²  Material properties wire insulation pead-ree, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14 Diameter of single wires 0,15 mm²  Material ordination insulation pead-ree, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14 Diameter of single wires 0,15 mm²  Conductor crosssection (wire) Stranded copper wire, bare  Conductor type (wire) Strand class 5 Nominal voltage AC max. OUN DIN VDE 0298-4	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue  Cable Identification 010  Cable Type 1  Jacket Color yellow  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,37 g/m  Material jacket PC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, sillicone-free  Outer-diameter (jacket) 1,25 mm  Outer diameter (sheath) 25 %  Shore hardness wire insulation pood material properties wire insulation poo	Environmental characteristics   Climatic	
Additional condition temperature range important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard Din En 61076-2-114 (M8)  Installation   Cable   wire arrangement brown, black, blue   Cable Identification   010   Cable Type   1   Inacket Color yellow   29.37 g/m   Inacket Color yellow   29.37 g/	Operating temperature min.	-30 °C
Additional condition temperature range important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard Din En 61076-2-114 (M8)  Installation   Cable   wire arrangement brown, black, blue   Cable Identification   010   Cable Type   1   Inacket Color yellow   29.37 g/m   Inacket Color yellow   29.37 g/	Operating temperature max.	85 °C
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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 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue Cable Identification 010  Cable Type 1  Jacket Color yellow Type of Certificate culture Type of Certificate Type of Certificate culture Type of Certificate culture Type of Certificate Type of Certificate culture Type of Certificate		
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Din En 61076-2-114 (M8)  Installation   Cable  wire arrangement brown, black, blue  Cable Identification 010  Cable Identification 010  Jacket Color yellow  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weight 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (sheath) ± 5 %  Material wire insulation PVC  Amount strand wire insulation 1,25 mm  Outer diameter tolerance core insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material properties wire insulation 45 ± 5 Shore D  Material conductor vire Stranded copper wire, bare  Conductor crosssection (wire) 0,25 mm²  Material conductor vire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Mominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0288-4	•	
Conformity  Product standard DIN EN 61076-2-114 (M8)  Installation   Cable wire arrangement brown, black, blue  Cable identification 010  Cable Type 1 1  Jacket Color yellow Type of Certificate cURus  Amount stranding 1 1  Stranding 3 wires twisted wire insulation 29,37 g/m  Material protein insulation PVC  Amount wires 3 3  Outer diameter tolerance core insulation 45 ± 5 5 hore D  Material properties wire insulation 1,25 mm  Conductor tronsessection (wire) 1,45 mm  Conductor tronsessection (wire) 1,5 tranded copper wire, bare Conductor vire (wire) 1,5 tranded capacity (standard) to DIN VDE 0298-4	Note on strain relief	· · · · · · ·
Product standard DIN EN 61076-2-114 (M8)  Installation   Cable    wire arrangement brown, black, blue    Jacket Color yellow    Type 1    Jacket Color yellow    Type of Certificate cURus    Amount stranding    Stranding    Stranding    Wire arrangement    Din Won, black, blue    Cable type    Jean	Note on bending radius	
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wire arrangement brown, black, blue  Cable identification 010  Cable Type 1  Jacket Color yellow Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Stranded capse 40 ms. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Product standard	DIN EN 61076-2-114 (M8)
Cable Identification         010           Cable Type         1           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigth         29,37 g/m           Material jacket         PVC           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         45 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         14           Diameter of single wires         0,15 mm           Conductor crossection (wire)         0,25 mr² <t< td=""><td>Installation   Cable</td><td></td></t<>	Installation   Cable	
Cable Type 1 Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness jacket lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4	wire arrangement	brown, black, blue
Jacket Color Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness jacket Freedom from ingredients (jacket) Iolerance outer diameter (sheath) 25 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 25 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Outer diameter of single wires 0,15 mm Conductor crosssection (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4	Cable identification	010
Type of Certificate cURus  Amount stranding  1  Stranding  3 wires twisted  wire arrangement  brown, black, blue  Cable weigth  29,37 g/m  Material jacket  PVC  Shore hardness jacket  85 ± 5 Shore A  Freedom from ingredients (jacket)  lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket)  4,5 mm  Tolerance outer diameter (sheath)  25 %  Material wire insulation  PVC  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  45 ± 5 Shore D  Material properties wire insulation  good machinability  Ingredient freeness wire insulation  put diameter of single wires  0,15 mm  Conductor crosssection (wire)  0,25 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 5  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4	Cable Type	1
Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Stranded copper wire, bare  Conductor load capacity (standard) to DIN VDE 0298-4	Jacket Color	yellow
Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Stranded class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Type of Certificate	cURus
wire arrangement brown, black, blue  Cable weigth 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Amount stranding	1
Cable weigth 29,37 g/m  Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strande class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Stranding	3 wires twisted
Material jacket PVC  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	wire arrangement	brown, black, blue
Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  A,5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PVC  Amount wires  3  Outer diameter tolerance core insulation  1,25 mm  Outer diameter tolerance core insulation  \$\frac{\pmathbf{5}}{2}\$ \$\frac{\pmathbf{5}}{	Cable weigth	29,37 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PVC  Amount wires  3  Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  \$\frac{1}{2}5 \text{ 5 Nore D}\$  Material properties wire insulation  Good machinability  Ingredient freeness wire insulation  pudding free, cadmium-free, CFC-free, silicone-free  Amount strands (wire)  14  Diameter of single wires  0,15 mm  Conductor crosssection (wire)  0,25 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 5  Nominal voltage AC max.  300 V  Current load capacity (standard)  t 5 %  Cordiameter (jacket)  4,5 mm  7  4,5 mm  8  4,5 mm  7  8  4,5 mm  7  8  4,5 mm  7  8  8  8  8  9  9  9  9  9  9  9  9  9	Material jacket	PVC
Outer-diameter (jacket) 4,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation PVC  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Outer-diameter (jacket)	4,5 mm
Amount wires  3 Outer diameter insulation  1,25 mm  Outer diameter tolerance core insulation  ± 5 %  Shore hardness wire insulation  Material properties wire insulation  Ingredient freeness wire i	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Material wire insulation	PVC
Outer diameter insulation ± 5 %  Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Amount wires	3
Shore hardness wire insulation 45 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Outer diameter insulation	1,25 mm
Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4	Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 14  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Shore hardness wire insulation	45 ± 5 Shore D
Amount strands (wire)  Diameter of single wires  0,15 mm  Conductor crosssection (wire)  0,25 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 5  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4	Material properties wire insulation	good machinability
Diameter of single wires 0,15 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Amount strands (wire)	14
Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Diameter of single wires	0,15 mm
Conductor type (wire) Strand class 5  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4	Conductor crosssection (wire)	0,25 mm²
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4	Conductor type (wire)	Strand class 5
	Nominal voltage AC max.	300 V
Current load capacity min. wire 4,5 A	Current load capacity (standard)	to DIN VDE 0298-4
	Current load capacity min. wire	4,5 A
Electrical resistance line constant wire 79 Ω/km @ 20 °C	Electrical resistance line constant wire	79 Ω/km @ 20 °C



AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter