

## M8 male 0° / M8 female 90° A-cod.

PUR 3x0.25 gy UL/CSA+drag ch. 0.3m

Art.No.: 7000-88021-2300030 Weight: 0.017 Country of origin: US Model designation: MSGL0-H-R230 0.3

## 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.

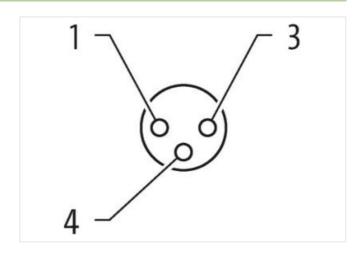
Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available <u>on request</u>

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

Product details: Male straight – female 90° M8 – M8, 3-pole Art-No. 7005 - M8 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.

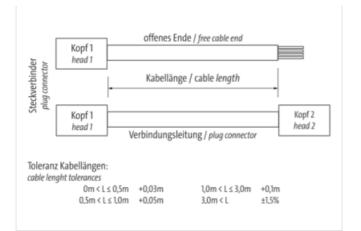
## Link to Product

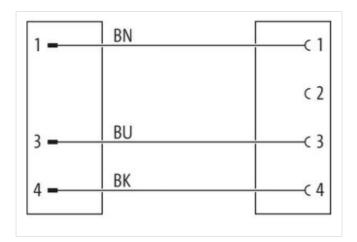


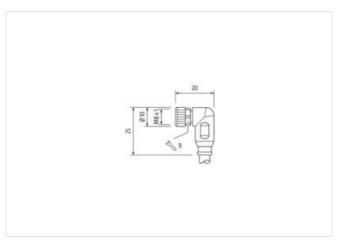


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Product may differ from Image

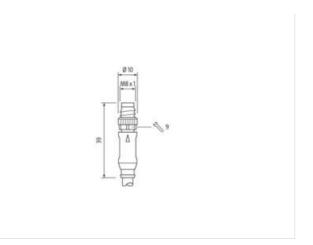


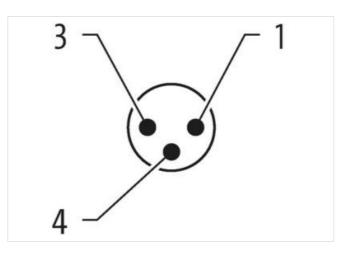
0,4 Nm

Cable length	
Side 1	

**Tightening torque** 

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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	Α
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	angled
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	4048879129022
EAN	4048879129022
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

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Rated spore yolinge     1,5 kV       Matural group (EC 9006+1)     1       Machanical data (Material data)     VIR       Contrap locking     PUR       Contrap locking     Nocked       Matural gastel     FKM       Machanical data (Mounting data)     Vickede       Mechanical data (Mounting data)     Contrap locking       Portaling locking formative     So <sup>2</sup> C       Operating lopmoprature max.     So <sup>2</sup> C       Operatind lopmoprature	Additional condition protection degree	inserted, screwed
Material group (IEC 90664-1)     I       Mechanical data [ Material data]       Material positing     PUR       Coating locking     Nickeland       Material positing     Nickeland       Material positing     Nickeland       Material positing     Nickeland       Mechanical data [ Mounting data]     Tine dic-existing       Muting method     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature may     depending on cable quality       Important installation notes     Note on strain relife       Note on strain relife     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relife     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Viet on strain relife     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Mole to strain relife     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Image: an any any any any any any any any any	Pollution Degree	3
Material bousing     PUR       Contrain Jocking     PUR       Contrain Jocking     Nickeled       Metarial gasket     KKI       Locking material     Zin dis-casiing       Mechanical diskal [Munting data     Inserted, screwed, Shaking protection       Environmental characteristics [Climatu     Operating temperature min.       Operating temperature min.     0° C       Operating temperature min.     65 °G       Additional condition temperature range     depending on cable quality       Important Installation notes     Important Installation notes       Note on barding radiu     Material operature inscience on the depending of crees.       Contomity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on barding radiu     IM EN 51076-2114 (M8)       Installation 1 Cable     UN EN 51076-2114 (M8)       Installation 1 Cable     DIN EN 51076-2114 (M8)       Instrad adde depending	Rated surge voltage	1,5 kV
Material passing     PUR       Coating locking     Mickeled       Material gaske     FKM       Locking malerial     Concentration of the served, Shaking protection       Munuting method     Isserved, Shaking protection       Environmental characteristics   Climatic     Operating temperature man.       0.90 °C     Operating temperature man. <td>Material group (IEC 60664-1)</td> <td>Ι</td>	Material group (IEC 60664-1)	Ι
Coaling locking     Nickeled       Material gasket     FXM       Locking material     Zine disc-sating       Machanical data [ Mounting data     Inserted, screwed, Shaking protection       Environmential characteristics [ Climatic     Coaling locking       Operating temperature min.     -30 °C       Operating temperature range     depending on cable quality       Important Installation notes     S °C       Note on strain relief     Potect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Attention: Conserve the permissible bending radiu when laying cables, as the IP protection class can be endangered by excessive bending forces.       Colabie dentification     230       Cable dentification     230       Cable Type     3       Jacket Color     grey       Type of Cartificate     CPUsus       Annount Stranding     1       Stranding     3 ± 5 S °C       Stranding     3 ± 5 S °C       Outer diameter insulation     24 gim       Material jacket     PUR       Stranding     3 ± 5 S °C       Outer dimenter (locket)     1.5 S °C <	Mechanical data   Material data	
Material gasker     FKM       Locking material     Zinc dis-casing       Mechanical dia   Mourting data     Inserted, screwed, Shaking protection       Environmental characteristics   Clinatic     Operating tomperature max.     85 °C       Operating tomperature max.     85 °C     Additional condition temperature may     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on ending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by accessave the permissible bending radii when laying cables, as the IP protection class can be endingered by accessave by accessave by accessave bending radii when laying cables, as the IP protection class can be endingered by accessave by accessave by accessave bending radii when laying cables, as the IP protection class can be endingered by accessave by accessave by accessave bending radii when laying cables, as the IP protection class can be endingered by accessave by accessave by accessave bending radii when laying cables, as the IP protection class can be endingered by accessave	Material housing	PUR
Material gasker     FKM       Locking material     Zinc dis-casing       Mechanical dia   Mourting data     Inserted, screwed, Shaking protection       Environmental characteristics   Clinatic     Operating tomperature max.     85 °C       Operating tomperature max.     85 °C     Additional condition temperature may     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on ending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by accessave the permissible bending radii when laying cables, as the IP protection class can be endingered by accessave by accessave by accessave bending radii when laying cables, as the IP protection class can be endingered by accessave by accessave by accessave bending radii when laying cables, as the IP protection class can be endingered by accessave by accessave by accessave bending radii when laying cables, as the IP protection class can be endingered by accessave by accessave by accessave bending radii when laying cables, as the IP protection class can be endingered by accessave	Coating locking	Nickeled
Locking material     Zinc die-casting       Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important Installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.       Note on banding radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ordangered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN \$1076-2-114 (M8)       Installation ( Cable     Wite arrangement       brown, black, blue     Cable dentification       Cable identification     20       Cable identification     20       Cable identification     20       Stranding     3 wites twisted       wite arrangement     brown, black, blue       Cable weight     2.4 grm       Material jacket     PUR       Stranding     3 vites twisted       Wite ar	Material gasket	FKM
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics (Climatic     Genating temperature max.     80 °C       Operating temperature max.     80 °C     Genation comperature max.     80 °C       Additional condition temperature maye     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 (ies.)       Note on tenrin relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable (ies.)       Contormity     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by exceesive bending forces.       Contormity     Installation Cable       View arrangement     brown, black, blue       Cable identification     230       Cable Type     3       Queck Cloor     gray       Type of Cartificate     CURus       Amount straing     1       Stranding     3 vires twisted       Wire arrangement     brown, black, blue       Cable weight     6.4 ym       Material jacket     90 ± 5 Shore A       Freedom from ingredients (iscket)	Locking material	Zinc die-casting
Environmental characteristics   Climatic       Operating temperature min.     30 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Environmental brown, black, blue       Product standard     DIN EN 61076-2-114 (MS)       Installation   Cable     UNE No 1076-2-114 (MS)       Installation   Cable     UNE No 1076-2-114 (MS)       Installation   Cable     DIN EN 61076-2-114 (MS)       Installation   Cable     Cable identification       Z30     Cable identification       Cable identification     Z30       Cable identification     UFW usage of cable identification </td <td>Mechanical data   Mounting data</td> <td></td>	Mechanical data   Mounting data	
Operating temperature max.     80 °C       Additional condition temperature may.     85 °C       Additional condition temperature may.     68 °C       Important installation notes     Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.       Conformity     DIN EN 61076-2-114 (M8)       Installation (Cable     Immediate may and the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.       Cable Type     DIN EN 61076-2-114 (M8)       Installation (Cable)     Immediate May and the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.       Cable Type     3       Stack EColor     gray       Type of Certificate     URus       Amount stranding     1       Stranding     3 wires twisted       Wire arrangement     Drown, black, blue       Cable weigth     92 fs Shoro A       Freedon from ingredients (jackt)     14 mm       Ou	Mounting method	inserted, screwed, Shaking protection
Operating lemperature max.     BS °C       Additional condition temperature may.     depending on cable quality       Important installation notes     Mole on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Therefore by excessive bending forces.       Vire arrangement     brown, black, blue       Cable Identification     220       Cable Identification     230       Cable Identification     230       Cable Identification     240       Stranding     1       Stranding     1       Stranding     1       Stranding     3       Outer diameter     64 g m       Material Jock t     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     1.5 %       Outer diameter insul	Environmental characteristics   Climatic	
Operating temperature max.     65 °C       Additional condition temperature maye     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 train relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Conformity       Product standard     DIN EN 61076-2-114 (M6)       Installation   Cable     Forwn, black, blue       Cable Itype     3       View arrangement     forwn, black, blue       Cable Itype     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     26.4 gra       Material jackt     PUR       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     26.4 gra       Material weight     90 ± 5 Shore A       Freedom from ingredients (jacket)     1.4 m	Operating temperature min.	-30 °C
Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Product standard     DIN EN 61076-2-114 (M6)       Installation   Cable     user angement     brown, black, blue       Cable Type     3		
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 endagered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     wire arrangement     brown, black, blue       Cable identification     230     Cable identification       Zable Good Color     gray     Type of Corfificate     CIBus       Anount stranding     1     Stranding     Stranding     Stranding       Vire arrangement     brown, black, blue     Cable weigth     26,4 g/m       Material jacket     PUR     Stranding	Additional condition temperature range	depending on cable quality
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 endagered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     wire arrangement     brown, black, blue       Cable identification     230     Cable identification       Zable Good Color     gray     Type of Corfificate     CIBus       Anount stranding     1     Stranding     Stranding     Stranding       Vire arrangement     brown, black, blue     Cable weigth     26,4 g/m       Material jacket     PUR     Stranding	Important installation notes	
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     Difference       Product standard     DIN EN 51076-2-114 (M8)       Installation   Cable     Unession (M8)       Wire arrangement     brown, black, blue       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 g/m       Material jacket     PUR       Stranding     3 wires twisted       Outer-diameter (gacket)     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     tead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (gacket)     t.5 %       Material Wire insulation     p.2 Shore D       Ingredient freeness wire insulation     t.5 %       Shore hardness wire insulation     t.5 %       Shore hardness wire insulation     t.2 Shore D <th< td=""><td>•</td><td>Protect the connectors by suitable measures from mechanical loads, a.g. by the usage of eable tice</td></th<>	•	Protect the connectors by suitable measures from mechanical loads, a.g. by the usage of eable tice
Note on bornuing rubus     endangered by excessive bending forces.       Contormity     endangered by excessive bending forces.       Product standard     DIN EN 61076-2:114 (M8)       Installation   Cable     forwn, black, blue       Cable dentification     230       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     26.4 g/m       Material jacket     PUR       Stranding     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     45 %       Outer diameter (jacket)     55 %       Outer diameter (jacket)     55 %       Outer diameter insulation     5 %       Outer diameter insulation     2 ± 5 %       Outer diameter insulation     2 ± 5 %       Outer diameter insulation     2 ± 5 %       Shore hardness wire insulation     2 ± 5 %       Outer diameter insulation		
Product standard     DIN EN 61076-2-114 (M8)       Installation ( Cable       wire arrangement     brown, black, blue       Cable (dentification     230       Cable (dentification     230       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26.4 g/m       Material jacket     PUR       Store hardness jacket     90.5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter insulation     2 5 %       Shore hardness wire insulation     2 5 %       Shore hardness wire insulation     2 5 Shore D       Ingredient freeness wire insulation     2 5 Shore D <th< td=""><td>Note on bending radius</td><td></td></th<>	Note on bending radius	
Installation   Cable       wire arrangement     brown, black, blue       Cable Type     3       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 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)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 Sm       Outer diameter insulation     1,25 Sm <sup>2</sup> Ingredient freeness wire insulation     1,45 %       Material conductor wire     32       Diameter of single wires     0,1 mm       Conductor ross	Conformity	
wire arrangement     brown, black, blue       Cable identification     230       Cable identification     230       Cable identification     979       Standing     979       Stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigh     264 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)     4,1 mm       Tolerance outle diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     1,25 mm       Outer diameter insulation     1,25 sm       Outer diameter tolerance core insulation     1,25 ms <sup>2</sup> Diameter of single wires     0,1 mm       Conductor crossection (wire)     3,25       Diameter of single wires     0,1 mm       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded co	Product standard	DIN EN 61076-2-114 (M8)
Cable identification     230       Cable identification     gray       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     26,4 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)     4,1 mm       Tolerance outer diameter (sheath)     4 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 shore D       Ingredient freeness wire insulation     1,2 5 Shore D       Ingredient freeness wire insulation     1,2 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,	Installation   Cable	
Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 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)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     1,25 mm       Outer diameter tolerance core insulation     5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     22       Diameter of single wires     0,1 mm       Conductor respection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strande class 6	wire arrangement	brown, black, blue
Jacker Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 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)     4,1 mm       Tolerance outre diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     12 Store D       Ingredient freeness wire insulation     12 Store D       Ingredient freeness wire insulation     12 Store D       Ingredient freeness wire insulation     10 a Store D       Ingredient freeness wire insulation     10 a Store D       Ingredient freeness wir		
Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 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)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     125 mm <sup>2</sup> Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor wire     Stranded copper wire, bare       Conductor wire     Strande copper wire, bare       Conductor wire     Strande copper wire, bare	Cable Type	3
Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 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)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material vires     3       Outer diameter insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm		gray
Amount stranding1Amount stranding3 wires twistedStranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter of almeter tolerance core insulation1,25 mmOuter diameter tolerance core insulation1,25 mmOuter of almeter of single wires0,1 mmConductor crossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor vireStranded copper wire, bareConductor wireStranded copp	Type of Certificate	
wire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation20 ± 5 Shore DIngredient freeness wire insulation10 ± 5 %Shore hardness wire insulation10 ± 5 %Shore hardness wire insulation20 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient of single wires0,1 mmConductor crossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Electrical resistance line constant wire79 Ω/km @ 20 °C		1
Cable weight26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation1,24 SmmOuter of single wires0,1 mmConductor wire32Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Stranding	3 wires twisted
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)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     125 sm²       Diameter of single wires     0,1 mm       Conductor cosssection (wire)     0,25 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     79 Ω/km @ 20 °C	wire arrangement	brown, black, blue
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation22Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Cable weigth	26,4 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Ingredient freeness wire insulation1,25 mmIngredient freeness wire insulation± 5 %Shore hardness wire insulation10 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Material jacket	PUR
Outer-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     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)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 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   79 Ω/km @ 20 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Outer-diameter (jacket)	4,1 mm
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Tolerance outer diameter (sheath)	±5%
Allochit wiresOuter diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Material wire insulation	PP
Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Electrical resistance line constant wire79 Ω/km @ 20 °C	Amount wires	3
Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Outer diameter tolerance core insulation	±5%
Amount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Amount strands (wire)	32
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Conductor crosssection (wire)	0,25 mm²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °C	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,5 A   Electrical resistance line constant wire 79 Ω/km @ 20 °C	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 79 Ω/km @ 20 °C	Current load capacity (standard)	to DIN VDE 0298-4
	Current load capacity min. wire	4,5 A
AC withstand voltage (wire - wire) 2,5 kV @ 60 s	Electrical resistance line constant wire	
	AC withstand voltage (wire - wire)	2,5 kV @ 60 s

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Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
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
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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