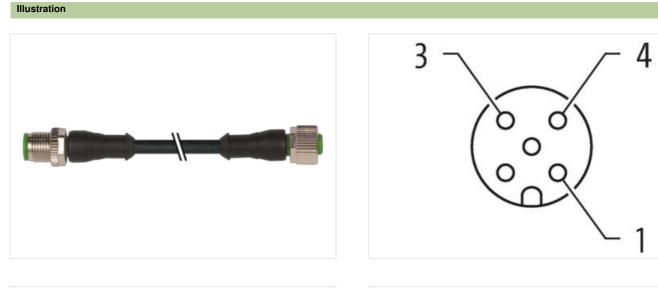


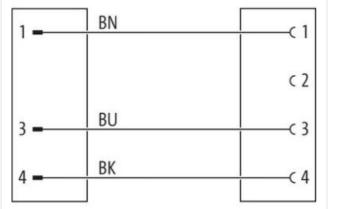
## M12 male 0° / M12 female 0° A-cod.

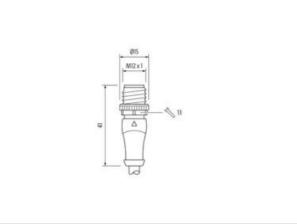
PUR 3x0.34 bk UL/CSA+drag ch. 2.2m

Male straight – female straight M12 – M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

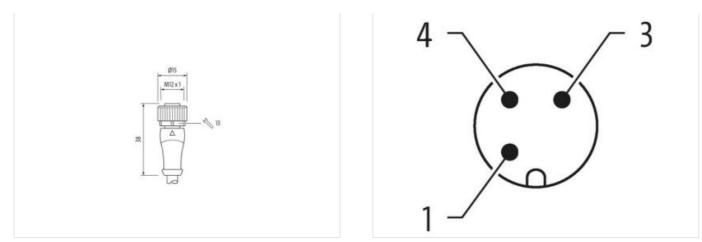






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-10





Product may differ from Image



Cable length	2,2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	А
Material	PUR
No. of poles	3
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	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27061801
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
customs tariff number	85444290
GTIN	4048879865326
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-10



Operating voltage DC max.260 VOperating voltage DC (UL-Isted)30 VOperating voltage DC (UL-Isted)30 VInstitution I Connection4 AInstitution I Connection4 AInstitution I Connection10 VDevice protocintin Flectivical	Operating voltage DC may	250 V
Operating vortage DC (UL-stein)     30 V       Current operating per contact max.     4 A       Installation (Contenction     Hall Name       Device protection of Electrical     Hall Name       Additional contains protection degree     3       Rated auge voltage     2.5 kV       Material group (EC 80664-1)     1       Mechanical data I Material data     Conting online       Conting online     Noteled       Conting online     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating tomprature max.       Operating tomprature max.     85 °C       Operating tomprature max.     85 °C       Additional condition transporture may.     26 °C       Operating tomprature max.     85 °C       Additional condition transporture may.     85 °C       Contronty     Prodect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable liss.       Note o		
Current operating per contact max.     4 A       Installation   Connection     Millowinfing set       Multifug set     M12 x 1       Device protection   Electrical     Additional condition protection degree       Additional condition protection degree     inserted, sorewed       Pollution Dugree     3       Rated surge voltage     2, S.M.V       Matchail (or (Condex))     1       Matchail (Condex)     2       Departing tomperature max.     85 °C       Operating tomperature max.     85 °C       Additional condition nonportablem imperature max.     85 °C       Operating tomperature max.     85 °C       Conformity     Proteact the conneactors by suitable measures from matchancial badas		
Institution (Connection)     Work (Procember (Procemate)))))))))))))))))))))))))))))))))))		
Muniting setM12 x 1Device protection   ElectricalAddinant conductor protection degreeinserted, screwedPolluton Degroe3Rated argo voltage2.5 k VMarinal group (ElectricalMiceledConturn Degroe0Netheral Descretion (Electrical1Netheral Descretion (Electrical1Netheral Descretion (Electrical1Netheral Descretion (Electrical1Netheral Descretion (Electrical2.6 de castingMaterial argo condition (Electrical2.6 de castingPortant Installation note2.6 de Condition (ElectricalNote on benching radiusAffector (Casting the protection classic can to adving the de type castile bendity facilities, as the IP protection classic can to adving to advin		
Device protection   Electrical       Additional condition protection degree     inserted, screwed       Patiation Degree     3       Rated surge voltage     2,5 kV       Material group (EC 60064 1)     I       Dechnicin delate     Inserted, screwed       Coating oching     Nickaled       Coating of titing     nickel plated       Coating of titing     nickel plated       Coating of titing     nickel plated       Caching of titing     nickel plated       Material screw connection     Zine die-casting       Material screw connection     Zine die-casting       Material propersizer min.     28 °C       Operating tempersizer min.     28 °C       Coating to the praticer mine     28 °C       Coating to the praticer mine     28 °C       Coating to the plated     Departing tempersizer mine       Note on stain vision     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable to iss.       Note on stain vision	•	
Additional condition protection degree iserted, screwed   Pollution Degree 3   Rated surge voltagip 2.5 kV   Material group (EC 60664-1) 1   Hernical data [Material data Conting looking   Coating looking of fitting nickel and   Coating looking of fitting nickel and   Coating looking of material Zino die casting   Material screw conconton Zino die casting   Material screw conconton Zino die casting   Material screw conconton Zino die casting   Operating temperature min. 25 °C   Operating temperature min. 25 °C   Operating temperature max. 85 °C   Additional contribut temperature range depending on cable quality   Important installation notes Materion: Coberon the paratice temperature max.   Note on stain reliaf Potoce the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.   Note on stain reliaf Double No 6076-2-101 (M12)   Installation ocable Endoming contribut test of test	Mounting set	M12 x 1
Pallation Dagree     3       Rated surge voltage     2.5 kV       Mativial group (EC 6066-1)     1       Mechanical data   Material data     Coating of fittige       Coating of fittige     nickle plated       Locking material     Zin: die casting       Material group (EC 6066-1)     Insertied, screwed, Shaking protection       Material zerw connection     Zin: die casting       Material screwer connection     Zin: die casting       Mechanical data   Material data     Cooting of fittige       Operating temperature max.     25 °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 tise.       Note on bonding radius     Atterioric Observe the permissible bending fical when laying cables, as the IP protection class can be endargered by accessive bending fical.       Standard     Di NE N 61076-2·101 (M12)       Instalianol (Cable </td <td>Device protection   Electrical</td> <td></td>	Device protection   Electrical	
Rate daurge voltage   2.5 kV     Material group (EC 6064-1)   1     Mechanical data   Material data   Coating oking     Coating loking   Nickeled     Coating of titing   nickel plated     Locking material   Zine die casting     Material screw connection   Zine die casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Evriconnential characteristics   Climatic   Operating temperature min.     Operating temperature max.   65 °C     Operating temperature max.   65 °C     Addinonal condition temperature range   depending on cable quality     Important installation notes   Stretcher consectors by suitable measures from mechanical loads, e.g. by the usage of cable les.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable les.     Contormity   Endotection     Product standard   DIN EN 61076-2-101 (M12)     Installation (Cable   Cable Type     Cable Type   3     Jacker Cool   Biack     Type of Centificate   culfus     Traversing distance (C-track)   10 m @ 25 °C (Inotzontal     Cable Type <td< td=""><td>Additional condition protection degree</td><td>inserted, screwed</td></td<>	Additional condition protection degree	inserted, screwed
Material group (EC 66664.1)     I       Mechanical data   Material data     Coading of Iting     Nickeld       Coading of Iting     nickel plated     Coading of Iting       Addresian Serve connection     Zinc die-casting     Material screw connection       Mechanical data   Mounting data     Mechanical data   Mounting data       Mechanical data   Mounting data     Mechanical data   Mounting data       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Cooling on cable quality       Operating temperature main.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature may     departing temperature max.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable less.       Note on strain relief     Din EN 61075-2-101 (M12)       Instatiation   Cable     Cable otentification       Cable otentification     633       Cable Type     3       Jacket Color     black       Type of Certificate     cuFus       Virus     40 mediager data       Antoniany     3 wires twistet	Pollution Degree	3
Mechanical data   Material data       Casting of litting     Nickeled       Coating of litting     nickel plated       Locking material     Zing discasting       Material storew connection     Zing discasting and discasting       Mounting method     Inserted, storewood, Shaking protoclon       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation nets     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ises.       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     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Rated surge voltage	2,5 kV
Coating locking     Nickeled       Coating of fitting     nickel plated       Coating of fitting     Zinc die-casting       Material screw connaction     Zinc die-casting       Material screw connaction     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Comparison       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Conormity     Inserted science     Conormity       Product standard     DIN EN 61076-2-101 (M12)     Inserted science       Daket Cofor     black     Cable identification     633       Cable identification     633     Cable identification     Cable identification       Type of Certificate     cLiRus     Cable identificatide     CiRu	Material group (IEC 60664-1)	1
Coating of Hilling     nicket plated       Locking material     Zinc die-casting       Material sorew connection     Zinc die-casting       Mechnical data [Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [Climate     Coparating temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain rolief       Note on banding radius     Attention: Observe the permissible banding radii when laying cables, as the IP protection class can be and angered by accessive bending forces.       Cotormity     Product standard     DIN EN \$1076-2-101 (M12)       Installation [ Cable     Cable Type     3       Jacket Color     black     Type of Cardificate       Operating signaperature     Dirown, black, blue     Cardificate       Type of Cardificate     Operatorstal     Cable Type       Goald weigh     9 × 5 Shore A     Stranding       Freedom from ingredients (jacket)     Iead free, cadmium-free, CFC-free, halogen-free       Outer diameter (jacket)     4.1 mm     Type of Shore A <td>Mechanical data   Material data</td> <td></td>	Mechanical data   Material data	
Locking material     Zinc die casting       Material server connection     Zinc die casting       Mechanical data   Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature max.     85 °C	Coating locking	Nickeled
Material screw connection     Zinc dis-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temperature min.     25 °C       Operating temperature max.     85 °C     Additional condition temperature range     depending on cable quality       Important installation notes     Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces.       Conformity     Installation (Cable       Cable tight     DIN EN 61076-2-101 (M12)       Installation (Cable     Cable Type       Cable tight     Ga3       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted	Coating of fitting	nickel plated
Mechanical data   Mounting data       Mounting method     inserted, screwed. Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     25 °C       Operating temperature min.     25 °C     Operating temperature min.     25 °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.       Nate on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contemity     Environmental for the strain of the strai	Locking material	Zinc die-casting
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition temperature max.     85 °C       Additional condition temperature max.     depending on cable quality     Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical bads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the parmissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contomity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable (dentification     633       Cable (dentification     633     Cable Color       Type of Certificate     cURus     Color       Type of Certificate     cURus     Color       Traversing distance (C-track)     10 m@ 25 °C   (nrizontal     Cable dentifies   gacket       Traversing distance (C-track)     10 m@ 25 °C   (nrizontal     Cable weight     23, 7g/m       Material j acket     PUR     Strandines jacket     PUR       Toraversing distance (C-track)     10 m@ 25	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     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.       Note on bending radius     Attention: Observe the permissible bending radi 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     Cable (dentification     633       Cable (dentification     633     Cable Type       Jacket Color     black     Type of Carificate     culFus       Arround stranding     1     Stranding     Stranding     Stranding       Shore hardness jacket     PUR     PUR     PUR     PUR       Shore hardness jacket     PUR     Shore hardness jacket     PUR     Shore hardness jacket     PUR       Shore hardness jacket     PUR     Shore hardness jacket     PUR	Mechanical data   Mounting data	
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature maye     depending on cable quality       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 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       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification       Cable identification     633       Cable identification     633       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Armount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 28 °C   horizontal       Cable weigh     29,7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom trom ingredients (jacket) <td>Mounting method</td> <td>inserted, screwed, Shaking protection</td>	Mounting method	inserted, screwed, Shaking protection
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     Cable identification       Cable identification     633       Cable Identification     633       Cable Identification     1       Stranding     1       Stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigh     29.7 g/m       Meterial jacket     PUR       Shore A     Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (slackit)     ± 5 %       <	Environmental characteristics   Climatic	
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.       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     Cable identification     633       Cable identification     633     Cable identification       Advant stranding     1     Stranding     1       Stranding     1     Stranding     1       Stranding     3 wires twisted     Wire arragement     Torwn, plack, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal     Cable weigh     29,7 g/m       Material jacket     PUR     Shore A     Freedom from ingredients (jacket)     41,1 mm       Tolerance outer diameter (sheath)     ± 5 %     Material wire insulation     PP       Anount wires	Operating temperature min.	-25 °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.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables, as the IP protection class can be endangered by excessive bending tradii when laying cables.     Cable totig class calculation   633     Cable totig class calculation   10 m @ 25 °C   horizontal     Cable weigh   29,7 g/m     Material jacket   PUR </td <td></td> <td>85 °C</td>		85 °C
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification     633       Cable identification     633     Cable identification     Figure 3       Jacket Color     black     Type of Certificate     CURus       Amount stranding     1     Stranding     3 wires twisted       Write arrangement     brown, black, blue     Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable identification     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 %       Amount wires     3     Outer diameter insulation     PP       Amount wires     3     Outer diameter insulation     PP       Amount wire insulation     1.25 mm     Shore hardness wire insulation     70 ± 5 Shore D	· · · ·	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 endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification     633       Cable identification     633     Cable identification     Figure 3       Jacket Color     black     Type of Certificate     CURus       Amount stranding     1     Stranding     3 wires twisted       Write arrangement     brown, black, blue     Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable identification     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 %       Amount wires     3     Outer diameter insulation     PP       Amount wires     3     Outer diameter insulation     PP       Amount wire insulation     1.25 mm     Shore hardness wire insulation     70 ± 5 Shore D	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     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification     633       Cable identification     633     Cable identification     Cable identification       Standing     3     Jacket Color     black     Contomic       Type of Certificate     C/Rus     Contomic     Contomic     Contomic       Stranding     1     Stranding     1     Stranding     Stranding     Stranding     Moves twisted       View arrangement     brown, black, blue     Traversing distance (C-track)     10 m @ 25 °C   horizontal     Contomic       Cable weigth     29,7 g/m     Material wice insulation     PUR     Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Moves and		Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
Note on bending radius   endangered by excessive bending forces.     Conformity     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable for the standard     Cable Type   3     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Cable wight   29,7 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 insulation   1,25 mm     Outer diameter insulation <td< td=""><td></td><td></td></td<>		
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification633Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore A Arres sjacket90 ± 5 Shore AFreedom from ingredients (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation1,25 Shore DIngredient freeness wire insulation10 ± 5 %Shore hardness wire insulation10 ± 5 %Shore hardness wire insulation10 ± 5 %Shore hardness wire insulation10 ± 5 %Cable weigh42	Note on bending radius	
Installation   CableCable identification633Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 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 hore DIngredient freeness wire insulation1 / 25 Shore DIngredient freen	Conformity	
Cable identification633Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-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 insulationIead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires3Amount wires42	Product standard	DIN EN 61076-2-101 (M12)
Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationIead-free, cadmium-free, CFC-free, halogen-freeAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-freeAmount strands (wire)42	Installation   Cable	
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 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 insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount wires3Outer 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)42	Cable identification	633
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 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 insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation42	Cable Type	3
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Tolerance 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-freeAmount strands (wire)42	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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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)42	Tolerance outer diameter (sheath)	± 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		
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		
Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42		•
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42	Outer diameter tolerance core insulation	
Amount strands (wire) 42		
Diameter of single wires 0,1 mm		
	Diameter of single wires	0,1 mm

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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	6 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	
UV resistance	DIN EN ISO 4892-2 A	
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2	
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	
Travel speed (C-track)	10 Mio. @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	

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