

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

PUR 4x0.34 gy UL/CSA+drag ch. 40m

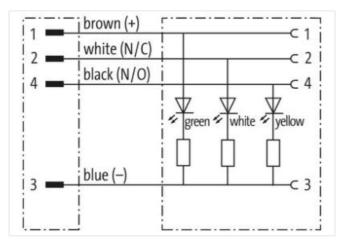
Male straight – female 90° M12 – M12, 4-pole 3× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

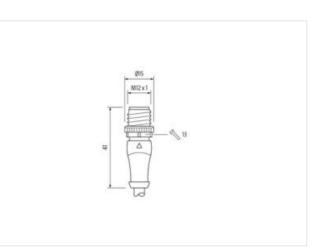
## Link to Product

Illustration





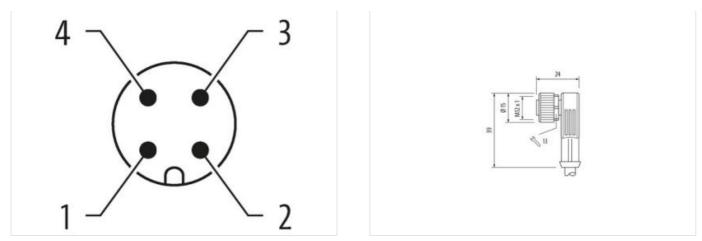




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl





Product may differ from Image



Cable length	40 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
Material	PUR
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 $\emptyset$ )	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879619387
Packaging unit	1
Electrical data   Supply	

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Operating voltage DC min.19 VOperating voltage DC max.30 VOperating voltage DC max.30 VCurrent operating ser contail max.4 ADispositionBase and the analytic of the analy	Operating voltage DC	24 V
Operating voltage DC max.       90 V         Operating voltage DC max.       4 A         Disposition       90 V         Construct operating ber contact max.       4 A         Disposition       90 V         Status indication LED       green, while, yellow         Installation I Connection       V         Additional condition protection degree       inserted, sorewed         Polution Degree       3         Readed surge voltage       0.8 kV         Material group (EC 6085-1)       1         Mechanical data(       Material group (EC 6085-1)         Exclamated surge voltage       0.8 kV         Material group (EC 6085-1)       1         Mechanical data(       Material group (EC 6085-1)         Inclusing material       Znn die exasting         Material group (EC 6085-1)       1         Mechanical data (Material data)       Cn die exasting         Material group orner (Material Scorewed, Shaking protection       Extremental Extrementation         Extremental Characteristics (Climatic Operating temperature max.       25 °C         Operating temperature max.       25 °C         Operating temperature max.       25 °C         Operating temperature max.	Operating voltage DC min.	18 V
Operating per constact max.       4 A         Diagnostic       Status indication LED       groon, while, yellow         Installation   Connection       M12 x 1         Device protection   Elserical       Addianal condition protection degree       installation         Addianal condition protection degree       installation       Protection         Material status       0.8 kV       Material status         Addianal condition protection degree       0.8 kV       Material status         Material status       material       Contargo         Material status       0.8 kV       Material status         Material status       material       Contargo         Material status       material status       Site of Contargo         Mounting method       instatus       Site Contargo       Contargo		30 V
Current operating per contact max.       4 A         Diagnostis       Status indication LED       green, white, yellow         Installation   Connection       Mult X 1         Device protection of Electrical       Additional confliction         Additional confliction   Electrical       Status indication   Connection         Mult X 1       Device protection degree       inserted, screwed         Pollution Degree       3       Relation VIIII (Status VIIIII)         Material group, IEC 06964-1)       1       Inserted, screwed         Conting LCONG       Nickeled       Conting LCONG         Conting LCONG       Nickeled       Conting LCONG         Conting LCONG       Nickeled       Conting LCONG         Conting LCONG       Zinc die casting       Meterial science connection         Meterial science connection       Zinc die casting       Meterial science connection         Everonmental characteristics   Climatic       Contention       Contention         Contenting       Electrical       Electrical         Contenting       DIN EN 610762-101 (M12)       Electrical         Installetion   Cable       Contention       234         Cable forp       Since A       Since A		30 V
Statis indication LED       green, while, yellow         Installation [Connection       Image: Statis indication (Section Interfect)         Additional connection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Matterial group (IEC 66664-1)       1         Mechanical cital Interial data       Image: Screwed         Coating Oxing       Nickeled         Coating Oxing       Nickeled         Coating Oriting       inckel pluided         Coating Oriting Comments       25 rC         Operating temperature main.       25 rC         Operating temperature main.       25 rC         Operating temperature main.       25 rC         Coating Coorition temperature range       depending on cable quality         Coating Coorition temperature range       depending on cable quality         Default temperature main.       25 rC <td></td> <td>4 A</td>		4 A
Statis indication LED       green, while, yellow         Installation [Connection       Image: Statis indication (Section Interfect)         Additional connection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Matterial group (IEC 66664-1)       1         Mechanical cital Interial data       Image: Screwed         Coating Oxing       Nickeled         Coating Oxing       Nickeled         Coating Oriting       inckel pluided         Coating Oriting Comments       25 rC         Operating temperature main.       25 rC         Operating temperature main.       25 rC         Operating temperature main.       25 rC         Coating Coorition temperature range       depending on cable quality         Coating Coorition temperature range       depending on cable quality         Default temperature main.       25 rC <td>Diagnostics</td> <td></td>	Diagnostics	
Installation   Connection       Muturing set       M12 x 1         Device protection   Electrical       Instance of the set o		
Mounting set       M12 x 1         Device protection   Electrical         Additional condition protection degree       isserted, scewed         Polition Degree       3         Rated surge voltage       0,8 kV         Material argonal (EC 60684+1)       1         International data   Material data       Nickwad         Coating forting       Nickwad         Coating forting       Nickwad         Coating forting       Nickwad         Material screw connection       Zinc de-casting         Material screw connection       Zinc de-casting         Material screw connection       Sinc de-casting         Operating temperature max.       85 °C         Operating temperature max.       85 °C         Operating temperature max.       85 °C         Coating of timo temperature max.       85 °C         Operating temperature max.       85 °C         Coating on cable quality       Coating on cable quality         Destriction (Coble       Instender, screwed, Shaking protection         Exerce       Since (Coble quality)         Dask Coble destriction temperature max.       85 °C         Additional condition temperature range       depending on cable quality </td <td></td> <td>green, white, yellow</td>		green, white, yellow
Device protection   Electrical         Addinical condition protection degree       inserted, screwed         Pollution Egree       3         Rated surge voltage       0,8 kV         Material group (IEC 6064-1)       1         Metchanical data   Material data       Coating locing         Coating locing       Nickeled         Material screw connection       Zine die-assing         Mechanical data   Mounting data       Incertes-assing         Mechanical data   Mounting data       Incertes-assing         Caparating temperature max.       85 °C         Addinoral condition temperature max.       85 °C         Cable identification       234         Cable identificatide	Installation   Connection	
Additional candition protection degree     inserted, screwed       Pollution Degree     3       Rade surge voltage     0.8 W       Material group (EC 60664.1)     1       Mechanical data   Material data     Inserted data       Coating of Tifing     nickel plated       Coating of Tifing     nickel plated       Coating of Tifing     nickel plated       Mechanical data   Mounting data     Zinc die-casting       Mechanical data   Mounting data     Environmental characteristics   Climatic       Environmental characteristics   Climatic     Zinc die-casting       Operating temperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Contormity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Zina die standard       Color     gray       Type of Certificate     cURus       Andonal standing     1       Stranding     4 wres twiend       wire arrangement     brown, black, blue, white       No. of banding cycles (C-track)     10 Mo.@ 22 °C       Cable vergin     <	Mounting set	M12 x 1
Pallution Degree     3       Rated surge voltage     0.8 kV       Material group (E 60664-1)     1       Mechanical data   Material data     Costing of filing       Nickelo     Costing of filing       Costing of filing     Nickelo Pared       Locking material     Zinc die-casting       Material sorew connection     Zinc die-casting       Portant stander     Dimeterial sorew connection       Departing temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Contomity     Product standard     Din NE 61076-2:101 (M12)       Installation (Cable     Ca	Device protection   Electrical	
Rated surge voltage       0,8 kV         Material group (EC 60664-1)       I         Mechanical data   Material data       Coating locking       Nickeled         Coating locking       Nickeled       Coating locking       Nickeled         Locking material       Zinc die-casting       Material serve connection       Zinc die-casting         Material serve connection       Zinc die-casting       Mounting method       Inserted, serveed, Shaking protection         Environmental characteristics [ Climatic       Operating temperature max.       85 °C       Cooting locking         Operating temperature max.       85 °C       Contomity       Contomity         Product standard       DIN EN 61076-2:101 (M12)       Installation (Cable         Cable fitype       3       Jacket Color       gray         Type of Certificate       cURus       cURus       Mounting data         No. of bending cycles (C-track)       10 Mio. @ 25 °C       Codebing       Gabie Type         No. of bending cycles (C-track)       10 Mio. @ 25 °C       Codebing       Gabier Type         No. of bending cycles (C-track)       10 Mio. @ 25 °C       Codebing       Gabier Type         Stare dardness jacket       90 ± 5 Shore A       Frow <td>Additional condition protection degree</td> <td>inserted, screwed</td>	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)       I         Mechanical data   Material data       Inckeled         Coaling of King       Nickeled         Coaling of King       Nickeled         Coaling of King       Nickeled         Coaling of King       Nickeled         Mechanical data   Mounting data       Mechanical data   Mounting data         Mechanical data   Mounting data       Mechanical data   Mounting data         Mechanical data   Mounting data       Second Statistics   Climatic         Operating temperature min.       -25 °C         Operating temperature min.       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature may       depending on cable quality         Conternity       Product standard         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable Operating temperature max.         Cable Color       gray         Type of Certificate       ClFusis         Anount standing       1         Stranding       4 wires twisted         Wire arrangement       brown, black, blue, white         No. of banding cycles (C-track)	Pollution Degree	3
Idechanical data   Material data         Coating olcking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature max.         Operating temperature max.       85 °C         Additional condition temperature max.       85 °C         Contornity       Produet standard         Produet standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable Gentification         Cable Gentification       294         Cobier       gray         Type of Carlification       294         Cobier       gray         Type of Carlification       294         Cobier       gray         Type of Carlification       10 Mio. @ 25 °C         Cable weight       36,3 gram         Material jackt       PUR         Freedom from ingreedients (jackel)       <	Rated surge voltage	0,8 kV
Coating locking       Nickeled         Coating of fiting       nickel plated         Locking material       Zine die-casting         Matrial screw connection       Zine die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       25 °C         Operating temperature max.       85 °C         Additional condition temperature max.       85 °C         Additional condition temperature may.       depending on cable quality         Conformity       Product standard         Dib NE 61076-2-101 (M12)       Installation   Cable         Cable identification       234         Cable identification       33         Type of Certriticate       cURus         Amount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         No. of berding regidents (jackt)       10 Mo. @2 5 °C         C	Material group (IEC 60664-1)	
Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temporature min.       -25 °C         Operating temporature max.       85 °C       Additional condition temperature range       depending on cable quality         Conformity       Product standard       DIN EN 61076-2-101 (M12)       Installation   Cable         Cable distribution       234       Cable distribution       Cable distribution         Qable distribution       234       Cable Tope       3         Jackst Color       gray       Type of Cartificate       cURus         Amount stranding       1       Stranding       1         Stranding       4 wires twisted       Wile gray       Cable distribution         Wire arrangement       Lorwn, black, blue, white       Sing Sign         No. of bending cycles (Chrack)       10 Mis. @ 25 °C       Cable weigh       36,3 g/m         Material jacket       PUR       Shore A       Freedom trom ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free <tr< td=""><td>Mechanical data   Material data</td><td></td></tr<>	Mechanical data   Material data	
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temperature max.       45 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable frype     3       Gable Type     3     Jacket Color     gray       Type of Corrificate     c.URus     CuBus     Amount stranding     1       Stranding     4 wires twisted     wire arrangement     brown, black, blue, white     No. of bending cycles (C+track)     10 Mo. @ 25 °C     Cable wigh     36,3 g/m       Shore hardness jacket     PUR     Shore hardness jacket     PUR     Shore hardness jacket     PUR       Shore hardness jacket     PUR     Shore hardness jacket     PUR     Shore hardness jacket     PUR       Cubic weigh     90 ± 5 Shore A     Freedom from ingredents (jacket)     4.5 m     Color diam	Coating locking	Nickeled
Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Inserted, screwed, Shaking protection       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.       -25 °C         Operating temperature max.       85 °C       Additional condition temperature range       depending on cable quality         Conformity       Product standard       DIN EN 61076-2-101 (M12)       Installation   Cable         Cable frype       3       Jacket Color       gray         Type of Corrificate       c.URus       Amount stranding       1         Stranding       1       Stranding       1       Stranding	Coating of fitting	nickel plated
Material screw connection       Zinc die-casting         Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.       -25 °C         Operating temperature min.       -25 °C       Operating temperature max.       B5 °C         Additional condition temperature max.       B5 °C       Operating temperature max.       B5 °C         Additional condition temperature max.       B5 °C       Operating temperature max.       B5 °C         Additional condition temperature range       depending on cable quality       Operating temperature max.       B5 °C         Conformity       Product standard       DIN EN 61076-2-101 (M12)       Installation (Cable       Cable identification       234         Cable identification       234       Cable identification       234       Cable identification       234         Cable identification       234       Cable identification       234       Cable identification       234         Mount stranding       1       Stranding       4 wires twisted       Wire arrangement       Brown, black, blue, while       No. of bending cycles (C-track)       10 Mio. @ 25 °C       Cable identification = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0		Zinc die-casting
Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       65 °C         Additional condition temperature range       depending on cable quality         Conformity          Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable          Cable Type       3         Jacket Color       gray         Type of Certificate       cURus         Anount stranding       1         Stranding       4 wires twisted         Wire arrangement       brown, black, blue, white         No. of bending cycles (C-track)       10 Mo. @ 25 °C         Cable toget (facket)       90 ± 5 Shore A         Freedom from ingredients (jacket)       90 ± 5 Shore A         Freedom from ingredients (jacket)       4.5 mm         Outer-diameter (jacket)       4.5 mm         Outer diameter (sheath)       ± 5 %         Material jackit       PUR         Shore hardness jacket       90 ± 5 Shore D         Inserted insulation       70 ± 5 %         Material jackit       PUR	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature maye       depending on cable quality         Conformity          Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable          Cable identification       234         Gable Type       3         Jacket Color       gray         Type of Certificate       culRus         Anount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         No. of bending cycles (C-track)       10 Mio. @ 25 °C         Cable weigh       36.3 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	Mechanical data   Mounting data	
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature maye     depending on cable quality       Conternity     Image: Content of the second s	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity       Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable identification       234         Cable identification       234       Cable Type       3         Jacket Color       gray       Type of Certificate       cURus         Amount stranding       1       Stranding       4 wires twisted         Wrie arrangement       brown, black, blue, white       No. of bending cycles (C-track)       10 Mio. @ 25 °C         Cable weigth       36,3 g/m       Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A       Freedom free, silicone-free         Outer diameter (jacket)       4,5 mm       CeF-free, halogen-free, silicone-free         Outer diameter (jacket)       4,5 mm       Coleration       Freedom free, silicone-free         Outer diameter (jacket)       4,5 mm       Coleration       Freedom free, silicone-free         Outer diameter insulation       PP       Amount wires       4         Outer diameter tolerance core insulation       1,25 mm       Coleration       Free, cadmium-free, CFC-free, halogen-free, silicone-f	Environmental characteristics   Climatic	
Additional condition temperature range   depending on cable quality     Conformity     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable     Cable identification   234     Cable Type   3     Jacket Color   gray     Type of Certificate   cURus     Amount stranding   1     Stranding   4 wires twisted     wire arrangement   brown, black, blue, white     No. of bending cycles (C-track)   10 Mio. @ 25 °C     Cable weigth   36.3 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freadom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4.5 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   4     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 tolerance core insulation   ± 5 %     Shore hardness wire insulation   1.25 Shore D     Ingredient freeness wire insulation   1.25 Shore D  <	Operating temperature min.	-25 °C
ContormityProduct standardDIN EN 61076-2-101 (M12)Installation   CableCable identification234Cable Type3Jackel ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth36.3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4.5 mmToler-ace outer diameter (sheath)± 5 %Material jound1.25 mmOuter diameter risulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulationi ead-free, cadmium-free	Operating temperature max.	85 °C
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification234Cable identification234Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth36.3 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 wires4Outer diameter tolerance core insulation1.25 mmOuter diameter insulation70 ± 5 Shore DIngredient freeness wire insulationIa2 free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulationIa2 free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mm	Additional condition temperature range	depending on cable quality
Installation   CableCable identification234Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAnount wires4Outer diameter insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter insulation1.25 shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation1ead-free, cadmium-free, CFC-free, halogen-freeAmount strands (wire)42Diameter of single wires0,1 mm	Conformity	
Cable identification234Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth36.3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation1,25 mmOuter diameter insulation1,25 Shore DIngredient freeness wire insulation142Diameter of single wires0,1 mm	Product standard	DIN EN 61076-2-101 (M12)
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth36.3 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 wires4Outer diameter neulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,25 mmIngredient solution1,25 mmOuter diameter insulation1,25 hore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation1ead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mm	Installation   Cable	
Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-freeOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation42Diameter of single wires0,1 mm	Cable identification	234
Type of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-freeAmount strands (wire)42Diameter of single wires0,1 mm	Cable Type	3
Amount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter diameter tolerance core 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)42Diameter of single wires0,1 mm	Jacket Color	gray
Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mm	Type of Certificate	cURus
wire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mm	Amount stranding	1
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Cable weigth36,3 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationrout ± 5 %Duter diameter tolerance core insulation± 5 %Shore hardness wire 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)42Diameter of single wires0,1 mm	wire arrangement	brown, black, blue, white
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core 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)42Diameter of single wires0,1 mm	No. of bending cycles (C-track)	10 Mio. @ 25 °C
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationFore CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mm	Cable weigth	36,3 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mm	Material jacket	PUR
Outer-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mm	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mm	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulationPPAmount wires4Outer 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)42Diameter of single wires0,1 mm	Outer-diameter (jacket)	4,5 mm
Amount wires4Outer 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)42Diameter of single wires0,1 mm	Tolerance outer diameter (sheath)	±5%
Outer 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)42Diameter of single wires0,1 mm	Material wire insulation	PP
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm	Amount wires	4
Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mm	Outer diameter insulation	
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mm	Outer diameter tolerance core insulation	
Amount strands (wire)   42     Diameter of single wires   0,1 mm		
Diameter of single wires 0,1 mm		
Conductor crosssection (wire) 0,34 mm <sup>2</sup>		
	Conductor crosssection (wire)	0,34 mm <sup>2</sup>

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Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	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 torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

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