

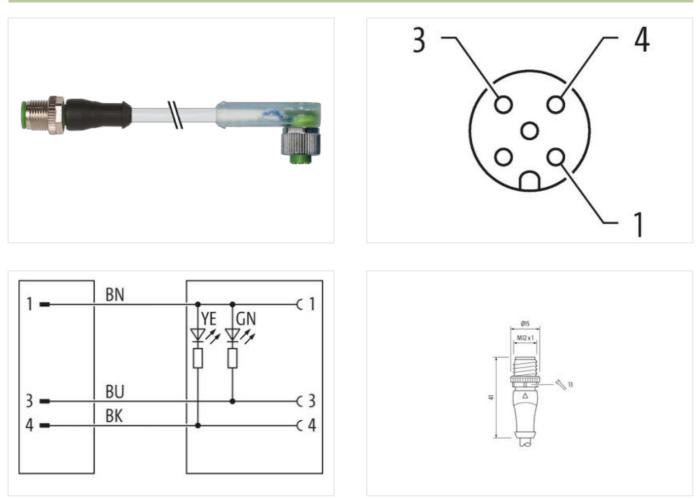
## M12 male 0° / M12 female 90° A-cod. LED

PUR 3x0.34 gy UL/CSA+drag ch. 12.5m

Male straight – female 90° M12 – M12, 3-pole 2× 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

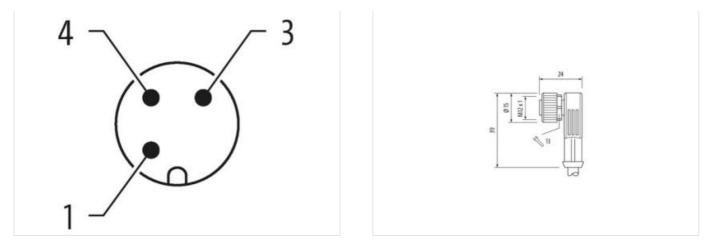
Illustration



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: 2024-04-23

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Product may differ from Image



Cable length	12,5 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
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	4048879430197
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V

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Sporting vilage DC max.NOperating vilage DC max.30 VOperating vilage DC max.30 VCorrent operating volage op context max.4 ADispositiogroom, yolkeInstallation CDC OmeetionText 1Davice protecting text may context max.1 X 1Davice protecting text may context max.1 X 1Davice protecting Electricalinstallation 2 X 1Addicnal context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May vilage May Context on groom of the Status May Context on groom of the Status May May Context on groom of the Status May	Operating voltage DC min.	18 V
Operating per contact max.     4 A       Disposition     Status indication LED     green, yellow       Installation   Connection     Mile X 1       Device protection   Electrical     Additional condition protection degree     3       Additional condition protection degree     3     3       Marcial gree voltige     0.8 kV     Marcial gree voltige     3       Marcial gree voltige     0.8 kV     Marcial gree voltige     3       Additional condition protection degree     0.8 kV     Marcial gree voltige     3       Additional condition protection degree     0.8 kV     Marcial gree voltige     3       Additional condition degree     0.8 kV     Marcial gree voltige     3       Additional condition degree     0.8 kV     Marcial gree voltige     3       Additional condition degree     0.8 kV     Marcial gree voltige     3       Marcial gree voltige     0.8 kV     Marcial gree voltige     3       Marcial gree voltige     2.0 cdf or degree     3     3       Marcial gree voltige     2.0 cdf or degree     3     3       Marcin gree voltige     2.0 cdf or degree <td></td> <td></td>		
Ourrent operating per contact max.     4 A       Diagnostici     Base indication LED     green, yollow       Installation I Connection     Mouring set     M12 x 1       Device protection I Electrical     Envice protection I Electrical     Mouring set     Mouring set       Additional condition protection degree     inserted, screwed     Mouring set     Mouring set       Additional condition protection degree     0.8 kV     Material group, GEC 80664-1)     I       Material group, GEC 80664-10     1     Methadia group, GEC 80664-10     I       Extractional data     Material group, GEC 80664-10     I     I       Mechanical data J Material data     Mouring method     Generating Set 91864     I       Coating doking     Nickein plated     Generating Set 91864     I       Methal cores oriented     Zine dise-aating     Methal cores oriented     Zine dise-aating       Material protection     Environmental characteristical Climatic     Environmental characteristical Climatic       Operating temperature max.     26 °C     Operating temperature max.     26 °C       Operating temperature max.     26 °C     Operating temperature max.     26 °C		
Set is instantion (Connection)Mill 2 1Set is instantion (Connection)Set is instantionSet is		
Balas indication LED     green, yellow       Installation I Connection     Val x 1       Mounting set     Na X 1       Device protection I Electrical     Valuation Deprote Nation Protection Regree       Additional condition protection Regree     National Screen Regree       Pallution Degree     National Screen Regree       Additional condition protection Regree     National Screen Regree       Cataling colds     National Screen Regree       Matcharial Screen Regree     Screen Regree       Cataling colds     Instruct Regree       Matcharial Screen Regree     Screen Regree       Matcharial Screen Regree     Screen Regree       Regreen Regree     Screen Regreen Regree       Regreen Regr		
Installation   Connection       Mouring sat     M12 x 1       Device protection   Electrical		
Mounting set     M12 x 1       Pervice protection   Electrical     Isserted, screwed       Additional condition protection degree     3       Rated surge voltage     0.8 kV       Material group (PG 6064+1)     1       Material group (PG 6064+1)     1       Casting foldsing     Nickeled       Casting foldsing     Nickeled       Casting foldsing     Nickeled       Casting foldsing     Nickeled       Locking material     Zinc de-casting       Material group (PG 6064+1)     I       Material screw cornection     Zinc de-casting       Material screw cornection     Zinc de-casting       Material screw cornection     Zinc de-casting       Portaling temperature min.     25 °C       Operating temperature man.     26 °C       Operating temperature man.     28 °C </td <td>Status indication LED</td> <td>green, yellow</td>	Status indication LED	green, yellow
Device protection   Electrical       Additional condition protection degree     iserated, screwed       Pellution Degree     3       Ratef surge voltage     0,8 kV       Material group (EC 6066-1)     1       Mechanical data   Material data     Conting tocking       Coating tocking     Nickeled       Coating tocking     Nickeled       Coating tocking material     Zine de-casting       Material screw correction     Zine de-casting       Material properature main.     45 °C       Operating temperature main.     45 °C       Operating temperature main.     45 °C       Coational temperature main.     45 °C       Coating temperature main.     45 °C       Coating temperature main.     45 °C       Coating temperature main.     45 °C	Installation   Connection	
Additional condition protection degree     inserted, screwed       Politation Degree     3       Read surge voltage     0.8 VV       Material group (EC 60684-1)     I       Mechanical data [Material data     Coating locing       Coating locing     Nickleid       Mechanical data [Mounting data     Inc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Coperating temperature max.       Operating temperature max.     45 °C       Operating temperature max.     45 °C       Codict standard     DIN EN 61076-2-101 (M12)       Installication Cable     Cable quality       Cable Type     3       Cable Type     3       Cable Coor     gray       Type of Cortficat     QrJW       Type of Cortficat     QrJW       Type of Cortficat     QrJW <td>Mounting set</td> <td>M12 x 1</td>	Mounting set	M12 x 1
Polition Degree     3       Rated argue voltage     0.8 kV       Material group (EC 60664-1)     1       Machanical data   Material data     Coating (EC 60664-1)       Coating of Iting     Nickelp lated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mouning method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Concentration       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additonal condition temperature range     depending on cable quality       Contromity     Product standard       DiN EN 61076 2.101 (M12)     Installation       Cable identification     233       Cable identification     233       Cable Type     3       Stranding     1       Stranding     1       Stranding     3 wies twisted       wies twisted     91 S Shro	Device protection   Electrical	
Rate augroup (IEC 6068-1)     I       Material group (IEC 6068-1)     I       Mechanical data (Material data     Coading of fitting     Nickel plated       Coading of fitting     Nickel plated     Coading of fitting       Cading of fitting     Nickel plated     Coading of fitting       Material screw connection     Zinc die-casting     Mechanical data (Mounting data       Mounting method     inserted. screwed. Shaking protection     Environmetal characteristics (Olimatic       Coperating temperature min.     -25 °C     Commit emperature max.     85 °C       Additional condition temperature ranze     depending on cable quality     Contornity       Product standard     DIN EN 61076-2-101 (M12)     Inselfation (Cable       Cable dentification     23     Cable conditionation     Cable conditionation (Cable Coord)       Cable color     gray     Type of Cartificate     CuBus     Conditionation (Cable Coord)     Coord)       Yape of Cartificate     CuBus     Coord)     Gray     Coord)     Coord) <td>Additional condition protection degree</td> <td>inserted, screwed</td>	Additional condition protection degree	inserted, screwed
Material group (EC 60664-1)     1       Mechanical data   Material data     Coating of King     Nickoled       Coating of King     nickol plated     Coating of King       Coating of King     nickol plated     Coating of King       Mechanical data   Mounting data     Mechanical data   Mounting data     Mechanical data   Mounting data       Mechanical data   Maretrial Screwed, Shaking protection     Environmental characteristics   Climatic       Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Contornity       Product standard     DIN EN 61076-2-101 (M12)     Installation   Cable       Cable forpio     3     Scateger Cable     Cable of the formation on participant is a standard       Cable Type     3     Scateger Cable     Cable of the formation on participant is a standard     Cliculant on Cable of the formation on participant is a standard     Scateger Cable       Stranding     1     Stranding     Stranding     Scateger Cable of the formation on participant is a strandard     Scateger Cable of the formation on participant is a strandard     Scateger Cable of the formation on participant is a strandare     Scateger Cable of the formation on participa	Pollution Degree	3
Material group (EC 60664-1)     1       Mechanical data   Material data     Coating of King     Nickoled       Coating of King     nickol plated     Coating of King       Coating of King     nickol plated     Coating of King       Mechanical data   Mounting data     Mechanical data   Mounting data     Mechanical data   Mounting data       Mechanical data   Maretrial Screwed, Shaking protection     Environmental characteristics   Climatic       Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Contornity       Product standard     DIN EN 61076-2-101 (M12)     Installation   Cable       Cable forpio     3     Scateger Cable     Cable of the formation on participant is a standard       Cable Type     3     Scateger Cable     Cable of the formation on participant is a standard     Cliculant on Cable of the formation on participant is a standard     Scateger Cable       Stranding     1     Stranding     Stranding     Scateger Cable of the formation on participant is a strandard     Scateger Cable of the formation on participant is a strandard     Scateger Cable of the formation on participant is a strandare     Scateger Cable of the formation on participa	Rated surge voltage	0,8 kV
Mechanical data   Material data       Coating oloking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material sorrew connection     Zinc die-casting protection       Methanical data   Mounting data     Inserted, screwed, Shaking protection       Everonmental characteristica   Climatic     Coording on cable quality       Operating temperature man.     25 °C       Operating temperature max.     85 °C       Additional condition temperature max     85 °C       Additional condition temperature max.     85 °C       Contornity     Product standard       Product standard     DIN EN 61076-2:101 (M12)       Installicin   Cable     Cable Tope       Cable Tope     3       Jacket Color     gray       Type of Cartificata     cURus       Anount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Nort oberding cycles (C-track)     10 Mio. @ 25 °C       Cable weigh     29.7 g/m       Material stracket     PUH       Stranding orges (C-track		
Cataling locking     Nickeled       Cataling of fitting     nickel plated       Locking material     Zinc die-asting       Metarial screw connection     Zinc die-asting       Metarial screw connection     Isoreta, screwed, Shaking protection       Environmental characteristics [ Climatic     Common screwed, Shaking protection       Environmental characteristics [ Climatic     Single Common screwed, Shaking protection       Environmental characteristics [ Climatic     Single Common screwed, Shaking protection       Concommon     25° C       Operating temperature max.     85° C       Additional condition temperature max.     85° C       Catalactori     DIN EN 61076-2:101 (M12)       Installation [ Cable     DIN EN 61076-2:101 (M12)       Installation [ Cable     233       Cable Topp     3       Jacket Color     gray       Type of Cettikate     oLFUS       Annount stranding     1		
Coaling of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature main. $25  ^{\circ}$ C       Operating temperature main. $25  ^{\circ}$ C     Operating temperature max. $85  ^{\circ}$ C       Additional condition temperature range     depending on cable quality     Concently       Product standard     Din EN 61076-2-101 (M12)     Inserted, screwed, Standard       Databilitation   Cable     Cable identification     233       Cable identification     233     Cable identification       Type of Certificate     CURus     Currow       Amount stranding     1     Stranding     3 wires twisted       wire arrangement     brown, black, blue     Stranding     3 wires twisted       No of bending cycles (C-track)     10 Min. @ $25  ^{\circ}$ C     Cable discurre (acter)     Cable discurre (acter)       Store hardness jacket     PUR     Store hardness jacket     PUR     Store hardness jacket     Store faranes wire insulation     Store faranes		Niekolod
Locking material     Zinc die-casting       Material server connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwerd, 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)     Insellation   Cable       Cable Trype     3     Cable Trype     3       Jacket Color     gray     Trype of Certificate     CURus       Amount stranding     1     Stranding     3 wires twisted       wire arrangement     brown, back, blue     Store A       No. of bending ocycles (C-track)     10 MG e25 °C     Cable waigh       Cable waigh     29.7 g/m     Material jacket     PUR       Shore A Free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer diameter (gacket)     4.1 mm       Tolerance outer diameter (gacket)     1.2 5 m     Gactinum-free, CFC-free, halogen-free, silicone-free       Outer diameter (gacket)     1.2 5 m     Gactinum-free, CFC-free, halogen-free, silicone-free		
Material screw connection     Zinc die-casting       Mechaical data   Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Concentry       Operating temperature max.     85 °C       Additional condition temperature may.     85 °C       Additional condition temperature range     depending no cable quality       Contornity     Product standard       DiN EN 61076-2-101 (M12)     Installation   Cable       Cable identification     233       Cable identification     233       Cable of type     3       Jacket Color     gray       Type of Certificate     culRus       Amount stranding     1       Stranding     3 wires twisted       wire arangement     brown, black, blue       No. of bending cycles (C+track)     10 Mio. @ 25 °C       Cable weight     29.7 °G       Cable weight     29.7 °G       Cable weight     29.5 °G       Cable weight     29.7 °G       Cable weight     29.7 °G       Cable weight     29.7 °G       Cable weight     29.7 °G		
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Communic       Operating temporature min.     -25 °C       Operating temporature max.     85 °C       Additional condition temperature max.     6deending on cable quality       Conformity     Environmental Cable       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233       Cable file     Cable file       Cable folge     3       Jacket Color     gray       Type of Certificate     CURus       Amount stranding     1       Stranding     3 wires twisted       wire arangement     brown, black, blue       No. of bending cycles (C+rack)     10 Mio. @ 25 °C       Cable weigh     29.7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     194 ± 76 × Cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (cheath)     1 5 %       Material jacket     90 ± 5 Shore A       Freecodm fro		
Mounting method     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     Image: Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Za3a       Cable identification     233       Cable identification     233       Cable identification     233       Type of Certificate     CUPRus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     Drown, black, blue       No. of bending cycles (C-track)     10 Mio. @ 25 °C       Cable meter from ingredients (jacket)     9 4 5 Shore A       Freedom from ingredients (jacket)     Iead-free, cadmium-free, CFC-free, halogen-free, silcone-free       Outer diameter (jacket)     4.5 %       Material wire insulation     PP       Amount wires     3       Outer diameter (jacket)     5 %       Materini wire insulation     PP		Zinc die-casting
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard       Distallation   Cable     233       Cable identification     233       Cable Identification     233       Cable Identification     233       Cable Identificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of berding cycles (C-track)     10 Mio. @ 25 °C       Cable weigth     29.7 g/m       Material jacket     PUR       Shore Ardness 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 wres     3       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation <td< td=""><td>Mechanical data   Mounting data</td><td></td></td<>	Mechanical data   Mounting data	
Operating temperature min.     -25 ° C       Operating temperature max.     85 ° C       Additional condition temperature range     depending on cable quality       Contemity        Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable        Cable identification     233       Cable Identification     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of berding cycles (C-track)     10 Mio. @ 25 ° C       Cable weigh     29,7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     4,1 mm       Tolerance outer (ameter (sheath)     ± 5 %       Material jacket     PUR       Amount strands     3       Outer-diameter (sheath)     ± 5 %       Material wire insulation     PP       Ander thing reduce or insulation     125 %       Material jacket	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Contromity     Installation (Contromity)       Product standard     DIN EN 61076-2-101 (M12)       Installation (Cable)     Cable identification       Cable identification     233       Cable for pe     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of bending cycles (C-track)     10 MIG. @ 25 °C       Cable weigh     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 (jacket)     4,1 mm       Tolerance outer diameter (jacket)     4,5 %       Material wire insulation     PP       Amount wires     3       Outer diameter (jacket)     5 %       Shore hardnes	Environmental characteristics   Climatic	
Additional condition temperature range   depending on cable quality     Conformity   DIN EN 61076-2-101 (M12)     Installation   Cable   Cable Type     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     No. of bending cycles (C-track)   10 Mic. @ 25 °C     Cable weigth   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 (acket)   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   125 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   124 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halog	Operating temperature min.	-25 °C
Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable       Cable identification     233       Cable Type     3       Jacket Color     gray       Type of Certificate     CUBus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of bending cycles (C-track)     10 Mio. @ 25 °C       Cable weigth     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     1,25 mm       Outer diameter insulation     1,25 Shore D       Ingredient free, salton     1,25 Shore D       Ingredient free, silcone-free     Anount wires       Shore hardness wire ins	Operating temperature max.	85 °C
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification233Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCabler dig cycles (C-track)10 Mio. @ 25 °CCable 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 jacketPPMaterial wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation7 ± 5 % Shore DIngredient freeness wire insulation1 ± 5 %Shore hardness wire insulation7 ± 5 % Shore DIngredient freeness wire insulation42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²	Additional condition temperature range	depending on cable quality
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification233Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCabler dig cycles (C-track)10 Mio. @ 25 °CCable 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 jacketPPMaterial wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation7 ± 5 % Shore DIngredient freeness wire insulation1 ± 5 %Shore hardness wire insulation7 ± 5 % Shore DIngredient freeness wire insulation42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²	Conformity	
Installation   CableCable identification233Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4,1 mmTolerance outer (abarter)± 5 %Material wire insulationPPAmount wires3Outer diameter (sheath)± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient trees wire insulation70 ± 5 Shore DIngredient frees wire insulation70 ± 5 Shore DIngredient frees wire insulation42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²		DIN FN 61076-2-101 (M12)
Cable identification233Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. $@$ 25 °CCable 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) $\pm$ 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation $70 \pm 5$ Shore DIngredient free, cadmium-free, CFC-free, halogen-free, silicone-freeAnount wires3Outer diameter tolerance core insulation $25 \%$ Shore hardness wire insulation $70 \pm 5$ Shore DIngredient freeness wire insulation $70 \pm 5$ Shore DIngredient freeness wire insulation $42$ Diameter of single wires $0,1 mm$ Conductor crosssection (wire) $0,34 mm^2$		
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable 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 insulationPPArrount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²		000
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Material conductor wire Stranded copper wire, bare		·
	Material conductor wire	Stranded copper wire, bare

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: 2024-04-23

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



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	6 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	UL 1581 § 1090   IEC 60332-2-2   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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