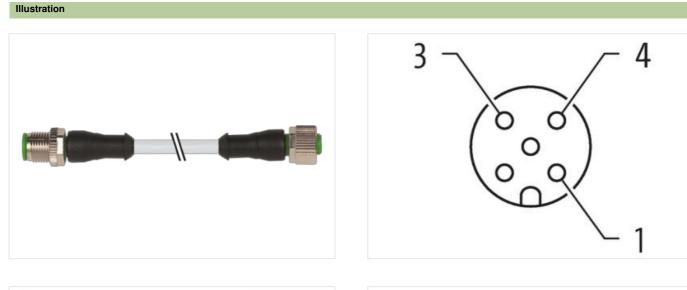


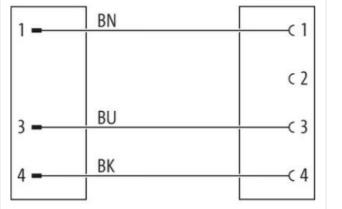
## M12 male 0° / M12 female 0° A-cod.

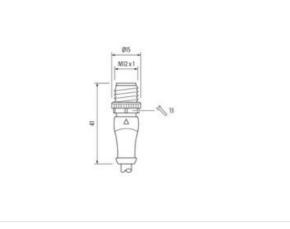
PUR 3x0.34 gy UL/CSA+drag ch. 10m

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

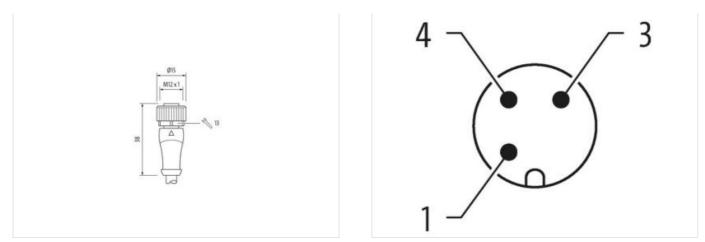






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20





Product may differ from Image



Cable length	10 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	A
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 $\emptyset$ )	10 mm
Coding	A
Material	PUR
No. of poles	3
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

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: 2024-05-20



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	GTIN	4048879185950
Operating voltage AC max.280 VOperating voltage AC max.280 VOperating voltage AC UL sitedy30 VOperating voltage AC UL sitedy30 VOperating voltage AC UL sitedy30 VCorrect operating protocolat max.4 AInstitution   ConnectionVDevice protocolat max.4 AActional confilor protocolot operation operati	Packaging unit	1
Operating voltage AC (UL listed)     30 V       Operating voltage AC (UL listed)     30 V       Operating voltage AC (UL listed)     30 V       Current operating per contact max.     4 A       Installation [Connection     Milex 1       Device protection [Electrical     A       Additional condition protection degree     3       Rated surge voltage     2,5 IV       Material group (Ele 606641)     1       Mechanical data [Material data     Contant of the fold data       Contant of thing     nickled       Contang of thing numbrid     nickled       Contang of thing numbrid     sector, screwed, Shaking protection       Environmental characteristics [Climatic     Operating voltage and screwed prediction numbrid       Mechanical tatin fold     Protect the connectors by suitable mea	Electrical data   Supply	
Operating voltage AC (UL listed)     30 V       Operating voltage AC (UL listed)     30 V       Operating voltage AC (UL listed)     30 V       Current operating per contact max.     4 A       Installation [Connection     Milex 1       Device protection [Electrical     A       Additional condition protection degree     3       Rated surge voltage     2,5 IV       Material group (Ele 606641)     1       Mechanical data [Material data     Contant of the fold data       Contant of thing     nickled       Contang of thing numbrid     nickled       Contang of thing numbrid     sector, screwed, Shaking protection       Environmental characteristics [Climatic     Operating voltage and screwed prediction numbrid       Mechanical tatin fold     Protect the connectors by suitable mea	Operating voltage AC max.	250 V
Operating voltage AC (UL listed)     30 V       Operating voltage AC (UL listed)     30 V       Current operating voltage EC (UL-listed)     30 V       Installation   Connection     Maximum Section   S		
Operating part optication of a constant max.     4 A       Installation (Constant max.     4 A       Installation (Constant max.     M12 x 1       Device protection [Electrical		
Current operating per contact max.     4 A       Instaliation   Connection       Mounting set     M12 x 1       Device protection   Electrical     Instantion       Additional condition protocolin degree     instantion       Pathon Degree     3       Rated surge voltage     2,5 kV       Material group (IEC 6066-1)     1       Mechanical data   Material data     Coating of filing       Coating locking     Nickel ed       Coating of filing     inckel plated       Locking material     Zine die-casing       Mechanical data   Mounting data     Mounting enthom       Mounting enthom     Zine die-casing       Mounting enthom     Zine die-casing <td></td> <td></td>		
Institution   Connection       Mouring part     M12 × 1       Device protection   Electrical     inserted, arewed       Addinand acondition protection degree     inserted, arewed       Pollution Dugroe     3       Rated argour (ICC 60664-1)     I       Material group (ICC 606664-1)     I       Material group (ICC 60664-1)     Nicolaid       Cading of filting     Nicolaid       Cading of filting     Nicolaid       Cading of strain action action     Zine die-casaling       Material sour (ICC 60664-1)     Xine die-casaling       Material sour (ICC 60664-1)     Zine die-casaling       Cading of filting     Nicolaid       Cading of strain action     Zine die-casaling       Material sour (ICC 60664-1)     Zine die-casaling       Posting Impensiture min.     Sel <sup>5</sup> C       Operating temperature min.     Sel <sup>5</sup> C       Operating temperature max.     Sel <sup>5</sup> C       Note strain field     Polote the connecl		
Muning setM12 × 1Protection   ElectricalAdditional condition protection diagneeiserated, seraved, AsowadAdditional condition protection diagnee3Rated surge voltage2,5 kVMaterial group (EEC 0064-1)Iterated asomadMaterial group (EEC 0064-1)NickeledCatating tokingNickeled paterialCatating of RitingNickeled paterialCatating of RitingNickeled paterialCatating of RitingZinc die-castingMaterial screw connectionZinc die-castingMaterial screw connectionIserted, screwed, Shaking protectionEnvironment characteristics   ClimaticIserted, screwed, Shaking protectionEnvironment characteristics   ClimaticSinc Ga-CastingEnvironment characteristics   ClimaticSinc Ga-CastingEnvironment characteristics   ClimaticSinc Ga-CastingEnvironment characteristics   ClimaticSinc Ga-CastingEnvironment characteristics   ClimaticSinc Ga-CastingContenting temperature man.Sinc Ga-CastingAddition temperature man.Sinc Ga-CastingAddition temperature man.Sinc Ga-CastingCate to scina right temperature man.Sinc Ga-CastingCate to scina right temperature rangedisponting cradis temperature rangeCate to scina right temperature rangeSinc Casting ClimaticCate to scina right temperature rangeSinc Casting ClimaticCate to scina right temperature rangeSinc Casting ClimaticCate to scina right temperature rangeSinc Casti		
Additional condition protection degreeinserted, screwedPollution Degree3Pollution Degree3Bated surge voltage2,5 kVMaterial group (EE 66684-1)1 <b>Mechanical data   Material data</b> Coating folkingnickel platedCoating of thirdingnickel platedCoating of thirdingnickel platedCoating screwed, Shaking protectionThe de-casting <b>Mechanical data   Mouting data</b> Inserted, screwed, Shaking protection <b>Mechanical thirding tomerature</b> S °CConting temperature man.65 °CContring temperature man.65 °CNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.Note on barding radiusAttertion: Observe the permissible bending radii when laying cables, as the IP protection class can beContornityInsertedProduct standardDIN EN 610762-101 (M12)Institution (Cable233Cable Toppa3Jacket ColorgrayType of Cartificato234 °mAnount strandget90 × 55 Nore AShore hardenges ligket90 × 55 Nore AFreedom trim ingelenting ligketi90 × 55 Nore AFreedom trim ingelenting ligketi90 × 55 Nore AFreedom trim ingelenting ligketi90 × 55 Nore AFreedom trim ingelentin		M12 x 1
Additional condition protection degreeinserted, screwedPollution Degree3Pollution Degree3Bated surge voltage2,5 kVMaterial group (EE 66684-1)1 <b>Mechanical data   Material data</b> Coating folkingnickel platedCoating of thirdingnickel platedCoating of thirdingnickel platedCoating screwed, Shaking protectionThe de-casting <b>Mechanical data   Mouting data</b> Inserted, screwed, Shaking protection <b>Mechanical thirding tomerature</b> S °CConting temperature man.65 °CContring temperature man.65 °CNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.Note on barding radiusAttertion: Observe the permissible bending radii when laying cables, as the IP protection class can beContornityInsertedProduct standardDIN EN 610762-101 (M12)Institution (Cable233Cable Toppa3Jacket ColorgrayType of Cartificato234 °mAnount strandget90 × 55 Nore AShore hardenges ligket90 × 55 Nore AFreedom trim ingelenting ligketi90 × 55 Nore AFreedom trim ingelenting ligketi90 × 55 Nore AFreedom trim ingelenting ligketi90 × 55 Nore AFreedom trim ingelentin		
Pailution Degree     3       Rated surge vottage     2,5 kV       Material group (EC 60684+1)     1       Mechanical data   Material data     Coating of Riting       Coating of Riting     nickle plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Incerted. screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature range     depending on cable quality       Important installation notes     Se °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Product standard       DIN EN 610762-101 (M12)     Installation (Cabler Gabing)       Sactiant (Cable Gabing)     3       Jacket Color     gray       Type of Carticate     GURus       Anount stranding     1       Stranding     3       Jacket Color     gray	· · ·	inserted, screwed
Rate surge voltage     2,5 kV       Material group (IEC 6064-1)     I       Mechanical data [Material data     Nickeled       Coating och [Ming]     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-asting       Material strew connection     Zinc die-asting       Methalis and the inserted, screwed, Shaking protection     Environmental characteristics [Climatic       Poprating inspreature max.     25 °C       Operating inspreature max.     85 °C       Addition condition temperature max.     85 °C       Addition condition temperature max.     85 °C       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Cotormity     Evaluation     Cable rules       Protect tandard     DIN EN 61076 2-101 (M12)     Evaluation Cable rules       Cable rules     Cable rules     Cable rules     Cable rules       Cable rules     Calles     Cable rules     Cable rules       Stranding     Sives twisted     Si		
Material group (IEC 60864-1)     I       Mechanical data   Material data     Vickeled       Coading of Iting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Comparing temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be and angreat 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.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be and angreat by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be and angreat by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Oprotact strandard     DIN EN 61076-2-101 (M12		2.5 kV
Acchanical data   Material dataCoading lockingNickeledCoading of fittingnickel placedLocking material acrow connectionZinc die-castingMaterial screw connectionZinc die-castingMourting methodinserted. screwed, Shaking protectionMourting methodinserted. screwed, Shaking protectionCoperating temperature min.25 °COperating temperature max.85 °CAdditional condition temperature rangedeporting outperature acrossMote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Cable other filteritonS3Cable other filteritonS3Cable other filteritonS3Cable other filteritonS3Cable other filteritonS3Cable other filteritonS3Cable other filteritonS4Stranding1StrandingS4StrandingS4StrandingS4StrandingS4StrandingS4Stranding is acketS4Stranding is acketS4StrandingS4StrandingS4Stranding is acket<		
Coating locking     Nickeled       Coating of fitting     Nickel plated       Locking material     Zinc die-casting       Material serve connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, serweed, Shaking protection       Environmental characteristics   Climatt     Voronmental characteristics   Climatt       Operating temperature main.     45 °C       Operating temperature mare.     85 °C       Additional condition temperature mare.     65 °C       Operating itemperature mare.     85 °C       Additional condition temperature mare.     65 °C       Note on strain rollef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tise.       Note on strain rollef     Protection Coserve the permissible bending radii when laying cables, as the IP protection diass can be endangered by excessive bending forces.       Contomity     Product standard     DIN EN 1076-2-101 (M12)       Installation Cobe     233     Cable identification       Cable identification     233     Cable identification     237 grin       Cable weigh     9.7 grin     Stranding     1       Stranding     3 wires twisted     Stranding		
Coating of fitting     inckel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting material     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Cooperating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition temperature range     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.       Note on strain relief     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 strain relief     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.       Cable on the distribution     Commity     Distribution       Product standard     DIN EN 61076-2-101 (M12)     Standarge of by excessive dending forces.       Cable type     3     Cable typ		Nickeled
Locking material     Zinc die-casting       Material screw connection     Zinc die-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 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.       Contomity     V     V       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233       Cable forpio     3       Jacket Color     gray       Type of Certificate     URus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigh     29.7 g/m       Store hardness jacket     90 ± 5 Shore A		
Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     constraints       Operating temperature min.     -25 °C       Operating temperature man.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     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     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.       Cable don from     DIN EN 61076-2-101 (M12)       Installation   Cable     Cable identification       Cable identification     233       Cable identification     233       Cable dorificate     CURus       Amount stranding     1       Stranding     3		
Mechanical data [Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Environmental characteristics, point and 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.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending forces.       Contormity     Environmental characteristics (Climatic       Product standard     DIN EN 61076-2:101 (M12)       Installation [Cable     233       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable type     29,7 g/m       Material jock1     PUR       Store hardness jacket     <		
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Important installation notes       Note on stain 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.       Product standard     DIN EN 61076-2-101 (M12)       Installation [Cable     233       Cable Identification     233       Cable Identification     233       Cable Color     gray       Type of Carlificate     URUs       Amount stranding     1       Stranding     3 wires twisted       wire arangement     brown, black, blue       Cable weigh     92, 7 g/m       Material jacket     PUR       Strone A     91 e 5 Store A       Freedom from ingredients (jacket)     91 e 5 %		
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature may.     depending on cable quality       Important Installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Protect standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233     Cable Type       Cable Type     3     3       Jacket Color     gray     1       Type of Certificate     cURus     4       Amount stranding     1     1       Stranding     3 wires twisted     1       Wrier arangement     brown, black, blue     2       Cable weigth     29,7 g/m     1       Attention ingredients (jacket)     90 ± 5 Shore A     1		inserted screwed Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature mage     depending on cable quality       Important installation notes     Important installation notes       Note on bending radius     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Intention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Cable dotting radius     INE 61076-2-101 (M12)       Installation [Cable     233       Cable forpe     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     Porte, Schree A       Freedom from ingredients (jacket)     90 ± 5 Shore A       Freedom from ingredients (jacket)     91 ± 5 %       Material jacket     PUR       Shore A     1       Freedom from ingredients (jacket)     91 ± 5	-	<b></b>
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.       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     233       Cable identification     233       Cable Identificatie     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     29, 29, 7 g/m       Material jacket     PUR       Shore hardress 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 wrie insulation     PP       Anomut wires </td <td>· · · · ·</td> <td>25 °C</td>	· · · · ·	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.       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     233       Cable identification     233       Cable Identification     233       Cable of Certificate     CURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     29,7 g/m       Material jacket     PUR       Shore hardmess jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.1 mm       Tolerance outer diameter (sheath)     4.5 %       Material wire insulation     PP       Amount wires     3		
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     Endender of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Endender of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Endender of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Endender of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Endender of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Endender of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Endender of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Cable dentification     Cable weigh     Gais       Type of Certificate     CulRus <td></td> <td></td>		
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     233       Cable identification     233       Cable Type     3       Jacket Color     gray       Type of Certificate     cuRus       Attention:     3       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     29.7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     4.5 %       Material wire insulation     PP       Amount wires     3       Outer diameter (insulation     1.5 %		depending on cable quality
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     233       Cable identification     CuBle Identification       Stranding     3     3       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     29,7 g/m       Material iacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diam	Important installation notes	
Note on version graduus     endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233       Cable identification     233       Cable IType     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       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 %       Amount wires     3       Outer diameter insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm	Note on strain relief	
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification233Cable identification3Cable identificationgrayJacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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 (sheath)1,25 mmOuter diameter tolerance core insulation± 5 %	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.
Installation   Cable       Cable identification     233       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       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 tolerance core insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %	Conformity	
Cable identification233Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %	Product standard	DIN EN 61076-2-101 (M12)
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Installation   Cable	
Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Cable identification	233
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Cable Type	3
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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 insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Jacket Color	gray
Stranding3 wires twistedwire arrangementbrown, black, blueCable 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 insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Type of Certificate	cURus
wire arrangementbrown, black, blueCable 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 insulation± 5 %	Amount stranding	1
Cable 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 insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Stranding	3 wires twisted
Material 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 insulation1,25 mmOuter diameter tolerance core insulation± 5 %	wire arrangement	brown, black, blue
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %		29,7 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Material jacket	PUR
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 tolerance core insulation ± 5 %	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %		lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP   Amount wires 3   Outer diameter insulation 1,25 mm   Outer diameter tolerance core insulation ± 5 %	Outer-diameter (jacket)	
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %	Tolerance outer diameter (sheath)	
Outer diameter insulation 1,25 mm   Outer diameter tolerance core insulation ± 5 %		
Outer diameter tolerance core insulation ±5%		
		·
Shore hardness wire insulation /0 ± 5 Shore D		
	Shore hardness wire insulation	/U ± 5 Shore D

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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
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
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
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
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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