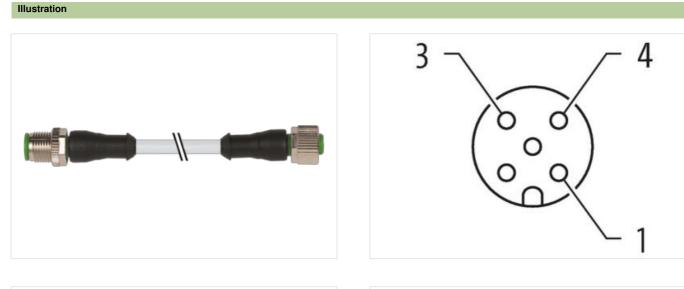


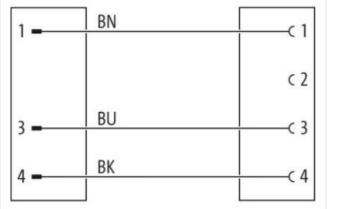
## M12 male 0° / M12 female 0° A-cod.

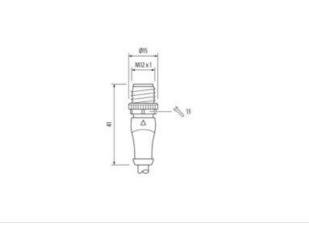
PUR 3x0.34 gy UL/CSA+drag ch. 1.2m

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

## Link to Product



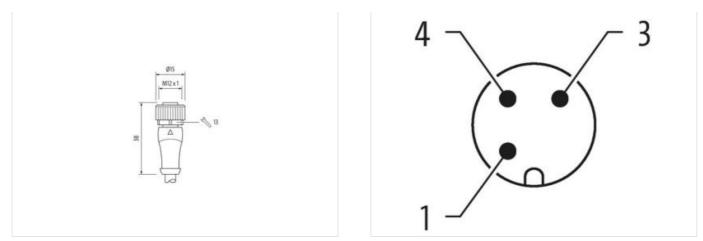




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-13

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Product may differ from Image



Cable length	1,2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	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

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Electrical data   Supply     200 V       Operating voltage AC max.     260 V       Operating voltage AC QLU. Isold     30 V       Operating voltage AC QLU. Isold     30 V       Control operating voltage AC QLU. Isold     30 V       Control operating voltage AC QLU. Isold     30 V       Control operating voltage provide max.     4 A       Institution   connection     V       Mouting set     Institution   Connection       Policion protection relactival     A       Additional condition protection degree     3       Rate surge voltage AC (BL See AC	GTIN	4048879524834
Operating voltage AC max.250 VOperating voltage AC max.250 VOperating voltage AC (UL) issed)30 VOperating voltage AC (UL) issed)30 VOperating voltage AC (UL) issed)30 VControl perating perator Act max.4 AInstillation   ConnectionVMouting set IM Device protection   Generation   Gen	Packaging unit	1
Openating voltage DC max.     250 V       Openating voltage AC (LL-lated)     30 V       Openating voltage AC (LL-lated)     30 V       Carrent openating per contater max.     4 A       Installation [Concenting per contater max.     4 A       Device protection [Electrical     M12 x 1       Device protection [Electrical     Additional condition protection degree       Additional condition protection degree     3       Rated suge voltage     2.5 kV       Material group (EV 6064-1)     1       Mechanical data [Material data     Condition Condition (Electrical       Cashing foldoring     Nickled!     Condition Condition       Cashing foldoring     Nickled!     Condition Condition       Cashing foldoring     Nickled!     Condition Condition       Coshing material     Zinc dis cashing     Material score (Elementic)       Material score ontection     Zinc dis cashing     Material score wold, Shaking protection       Environmental charactoristics [Climatic     Generating temperature may.     85 °C       Operating temperature may.     85 °C     Concenting temperature may.     85 °C       Operating temperature may.     85 °C	Electrical data   Supply	
Openating voltage DC max.     250 V       Openating voltage AC (LL-lated)     30 V       Openating voltage AC (LL-lated)     30 V       Carrent openating per contater max.     4 A       Installation [Concenting per contater max.     4 A       Device protection [Electrical     M12 x 1       Device protection [Electrical     Additional condition protection degree       Additional condition protection degree     3       Rated suge voltage     2.5 kV       Material group (EV 6064-1)     1       Mechanical data [Material data     Condition Condition (Electrical       Cashing foldoring     Nickled!     Condition Condition       Cashing foldoring     Nickled!     Condition Condition       Cashing foldoring     Nickled!     Condition Condition       Coshing material     Zinc dis cashing     Material score (Elementic)       Material score ontection     Zinc dis cashing     Material score wold, Shaking protection       Environmental charactoristics [Climatic     Generating temperature may.     85 °C       Operating temperature may.     85 °C     Concenting temperature may.     85 °C       Operating temperature may.     85 °C	Operating voltage AC max.	250 V
Operating voltage AC (UI-listed)     30 V       Oparating voltage DC (UL listed)     30 V       Control coraling browned max.     4 A       Installation   Connection     M12 x 1       Device protection   Electrical     M12 x 1       Device protection   Electrical     M12 x 1       Device protection   Electrical     X       Additional condition protection degree     9       Rated surge voltage     2.5 X V       Material group (EC 80684 1)     1       Mechanical data     Mechanical data       Coaling locking     Nickeled       Coaling locking     Nickeled       Coaling in difficit     Cite de casing       Material group (EC 80684 1)     Inserted, sorewed, Shaking protection       Environmental characteristics (Climate     Operating temperature max.       Operating temperature max.     85 °C       Operating nearing temperature may.     86 °	, , ,	
Operating part contact max.     4 A       Installation (Contenction     Installation (Contenction)       Mounting set     M12 x 1       Device protection   Electrical     Additional conting protection degree       Additional conting protection degree     3       Rated argue voltage     2.5 kV       Material group (IFCE 6068-1)     I       Material active wormedicin     Zinc die-casting       Mounting method     Inserted, screwed, Shaking protection       Environmettal characteristics   Climatic     Climatic       Operating imperiature max.     85 °C       Additional condition temperature max.     85 °C       Note on strian relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cabe free.       Color<		
Current operating per contact max.     4 A       Instaliation   Connection       Mouning set     M12 x 1       Device protection   Electrical     Inserted, sorewed       Additional condition protection degree     inserted, sorewed       Publican Degree     3       Rated surge voltage     2.5 kV       Material group (EC 6068-1)     1       Mechanical data   Material data     Coaling octing       Coaling locking     Nickeled       Coaling of Itiling     mickel plated       Locking matching data     Mochanical data   Mounting data       Mounting method     inserted, sorewed, Shaking protection       Environmental characteristics   Climatic     Cometing temperature max.       Operating temperature max.     28 °C       Additional condition temperature range     depending on cable quality       Important Installation note     Material screw cost by suitable measures from mechanical loads, e.g. by the usage of cable lise.       Note on banding radius     Attention: Observe the permissible bending radii wen kying cables, as the IP protection class can be ontangered by socceaserue bending locues.       Conterning     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lise.		30 V
Installation   Connection     Mult X 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Polition protection (File Code)     I       Materal group (FICE Code)-1     I       Cading O (filing)     Inickel plated       Cading O (filing)     inickel plated       Cading O (filing)     Inickel plated       Cading O (filing)     Inserted, screwed, Shaking protection       Environmental Characteristics (Clinatic     Vertexe oraneodos)       Operating Ingenerature max.     85 °C       Nate on starin ofied     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable thes.       Nate on starin ofied     S10 S10 S2-101 (M12)       Installation 1     23		
Muniting set     M12 x 1       Device protection   Electrical     Inserted, screwad       Additional condition protection degree     is an accessing and accessing a		
Device protection   Electrical     inserted, screwed       Addition condition protection degree     inserted, screwed       Pollution Degree     3       Ratiol argo voltage     2.5 kV       Material group (EC 600641)     1       Mechanical data   Material data     Conting tocking       Coating tocking     Nickeled       Coating tocking method     Zinc die-casing       Material screw connection     Sico       Operating temperature max     85 °C       Operating temperature max     85 °C       Note on strain relief     Protect the connectors by sutable measures from mechanical kads, e.g. by the usage of cabb tites.       Note on strain relief	·	M12 × 1
Additional condition protection degree     isserted, screwed       Pollution Degree     3       Bated surge voltage     2,5 kV       Methand group (EC 60664-1)     1       Mechanical data   Material data     Conting (EC 60664-1)       Coating of titing     nickel plated       Mechanical data   Mounting data     The dis-casting       Mechanical data   fuenting data     Screwed. Shaking protoction       Environmental characteristics   Climatic     Inserted. screwed. Shaking protoction       Environmental characteristics   Climatic     Generating temperature min.       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     B5 °C       Additional condition temperature range     depending on cable quality       Inport temperature max.     B5 °C       Conformity     The distributic for the permissible bending racii when laying cables, as the IP protection class can be e	-	
Pailution Dagree 3   Rated arcy orbitage 2,5 kV   Material arcy (E 66664-1) 1   Mechanical data   Material data Coating of fitting   nickoi plattod Coating of fitting   nickoi plattod Zinc die casting   Material strow (E 66664-1) Zinc die casting   Material strow connection Zinc die casting   Material strow connection Zinc die casting   Mouning metho Inserted, screwed, Shaking protection   Environmental characteristics   Gimatic Operating temperature min.   -25 °C Operating temperature min.   -25 °C Operating temperature max.   Addional condition temperature range depending on cable quality   Important installation notes Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   Contormity Product standard DN EN 61076-2-101 (M12)   Installation   Cable 233   Cable forpa 3   Jacket Calor gray   Type of Certificate cURus   Anount stranding 1   Stranding 3   Jacket Clark 10 m 625 °C (Instromatal   Cable forpa 3   Jacket Clar gray   Type of Cert	· ·	
Rated surge voltage     2,5 kV       Material group (IEC 0064-1)     I       Mechanical data   Material data     Coating locking       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking material     Zinc die-casting       Material serve connection     Zinc die-casting       Material serve connection     Zinc die-casting       Material serve connection     Zinc die-casting       Mounting method     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Addition temperature max.     85 °C       Cotoremity     Protect the connectors by su	· -	
Material group (IEC 60664-1)     I       Mechanical data   Material data     Vickeled       Coating of King     Nickeled       Coating of King     Nickeled       Coating of King     Nickeled       Coating of King     Nickeled       Mechanical data   Mouring data     Zinc die-casting       Mechanical data   Mouring data     Mechanical data   Mouring data       Mechanical data   Mouring data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature main.     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on banding radiu be masures from mechanical loads, e.g. by the usage of cable lies.       Note on banding radiu     DIN EN 61076-2-101 (M12)       Installation   Cable     DIN EN 61076-2-101 (M12)       Installation   Cable     Qateria distribute (Qateria)       Operating temperature max.     B3       Jacket Cobr     gray       Type of Cartificato     QIRus       Anound stranding     1       Stran	•	-
Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material sorew connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     Inserted, screwed, Shaking protection       Environmental characteristics   Climature     Coording on cable quality       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Coserve the permissible bending radii when laying cables, as the IP protection class can be endargered by excessive bending forces.       Cotomity     Protect tandard       Product standard     DIN EN 61076-2-101 (M12)       Installion I Cable     Gable Toppe       Cable Toppe     Garding       Yaver Standing     1       Type of Centification     Q3		2,5 kV
Coating locking     Nickel Pated       Coating of fitting     nickel Pated       Locking material     Zinc die-casting       Material serve connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatu     25 °C       Operating itemperature man.     45 °C       Operating itemperature man.     65 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Xtention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fradi when laying cables, as the IP protection class can be endangered by excessive bending fraces.       Contormity     Ymetha to 100 for 0-2-010 (M12)       Installation [Cobe     233       Cable identification     233       Cable identification     233       Cable identification     9 wires twisted       wire arrangement     forw. black, blue       Traversing distance (C-track)     10 m @ 25 °C		
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 min.     -25 °C       Operating temperature min.     -25 °C     Operating temperature max.     B5 °C       Additional condition temperature maye     depending on cable quality     Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable letes.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable letes.       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.       Controlty     Installation     233       Cable identification     233       Cable identification     233       Cable identification     233       Yare of Cirtificate     CuRus       Amount stranding     1       Stranding     3 wires twisted       Write arrangement     D	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     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.       Conformity     Protect standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233     Cable interfication       Cable forpe     3     Jacket Color     gray       Type of Certificate     cuFus     Cable Type     3       Anount stranding     1     Stranding     swies twisted       wire arrangement     brown, black, blue     Traversing distance (Crack)     10 m@ 25 Sr ( horizontal       Cable weight     29.7 g/m     Mat	Coating locking	Nickeled
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 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 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.       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233       Cable identification     233       Cable identification     233       Cable identification     3       Stranding     1       Stranding     1       Stranding     3 wites twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable we	Coating of fitting	nickel plated
Mechanical data [ Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Comportation in the screwed, Shaking protection       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Addional 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 files.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files.       Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contormity     Protect standard       Product standard     DIN EN 61076-2-101 (M12)       Installation [ Cable     Cable files       Cable files     Quest standard       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversig distance (C-track)     10 m @ 25 °C   horizontal       Cable weigh     29.7 g/m	Locking material	Zinc die-casting
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       Important installation notes     Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation (Cable     233       Cable identification     233       Cable identification     233       Amount stranding     1       Stranding     3 wires twisted       Wire arangement     brown, black, blue       Traversing digitance (C-track)     10 m @ 25 °C   horizontal       Cable weig table (dett)     29.7 g/m       Material jacket     PUR       Store A     Preedom from ingredients (jacket)       Pole Cartificate     9.1 \$ Shore A <tr< td=""><td>Material screw connection</td><td>Zinc die-casting</td></tr<>	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic       Operating 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     Motion temperature max.       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.       Conformity     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Contomity     Installation (Cable       Cable identification     233       Cable identification     233       Cable Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distace (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29,7 g/m       Material jacket     PUR       Shore hard	Mechanical data   Mounting data	
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Installation   Cable       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233       Cable identification     233       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Anount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29,7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freecom trom ingredients (jacket)     lead-	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233       Cable identification     233       Cable Identification     233       Cable Identificate     CUBus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29,7 g/m       Material jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (isexl)     ± 5 %       Material jacket     90 ± 5 Shore A  <	Environmental characteristics   Climatic	
Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233       Cable identification     233       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Anount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29, 7g/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.	Operating temperature min.	-25 °C
Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.       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     Ended termissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Ended termissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Ended termissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Ended termissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Ended termissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Ended termissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Cable telefilication     Cable telefilication     233       Cable telefilication     1     Ended telefilication       Traversing distance (C-track)     10 m @ 25 °C   horizontal     Cable weight       Cable weigh     29.7 g/m	Operating temperature max.	85 °C
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Image: Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233       Cable identification     233       Jacket Color     gray       Type of Certificate     cuRus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29.7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     4.1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material jackit     PP       Anount wires     3	Additional condition temperature range	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     233       Grade Identification     233       Standing     3       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       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 %	Important installation notes	
Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233       Cable identification     233       Grade Identification     233       Standing     3       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       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 %	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     233       Cable identification     233       Standing     974       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigth     29,7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lea		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standardDIN EN 61076-2-101 (M12)Installation   CableCable identification233Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacket9U ± 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 mm	Note on behaing radius	endangered by excessive bending forces.
Installation   CableCable identification233Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mm	Conformity	
Cable identification233Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial 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 mm	Product standard	DIN EN 61076-2-101 (M12)
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mm	Installation   Cable	
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Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mm	Cable Type	3
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mm	Jacket Color	gray
Stranding3 wires twistedStranding3 wires twistedwire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mm	Type of Certificate	cURus
wire arrangementbrown, black, blueTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mm	Amount stranding	1
Traversing distance (C-track)10 m @ 25 °C   horizontalCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mm	Stranding	3 wires twisted
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 mm	wire arrangement	brown, black, blue
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 mm	Traversing distance (C-track)	10 m @ 25 °C   horizontal
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	Cable weigth	29,7 g/m
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	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	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	Freedom from ingredients (jacket)	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 (jacket)	4,1 mm
Amount wires 3   Outer diameter insulation 1,25 mm	Tolerance outer diameter (sheath)	
Outer diameter insulation 1,25 mm	Material wire insulation	
	Amount wires	
Outer diameter tolerance core insulation ± 5 %		
	Outer diameter tolerance core insulation	± 5 %

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: 2024-05-13

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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
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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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