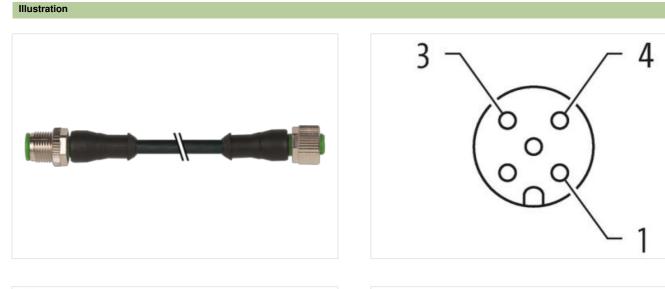


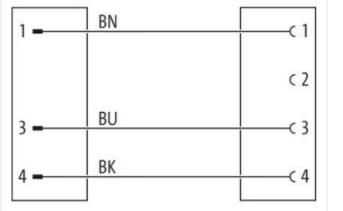
## M12 male 0° / M12 female 0° A-cod.

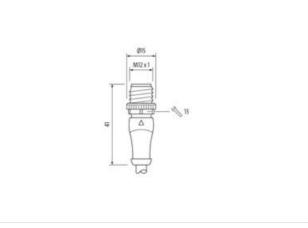
PUR 3x0.34 bk UL/CSA+drag ch. 3.4m

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

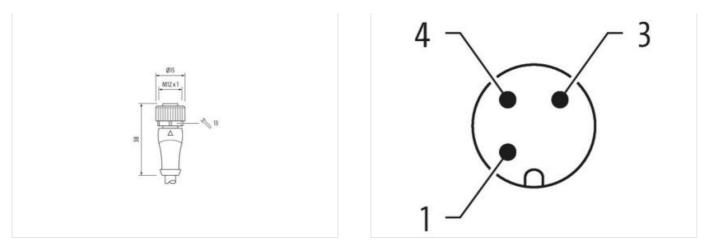






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21





Product may differ from Image



Cable length	3,4 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	А
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	Α
Material	PUR
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27061801
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
customs tariff number	85444290
GTIN	4048879865401
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21



Operating verlage AC (UL listed)     30 V       Operating per contact max.     4 A       Installation (Connection     Maximum       Mounting set     M12 x 1       Device protection [Electrical     Maximum       Additional condition protection degree     instantida, servered       Politation Degree     3       Install durge voltage     2,8 xV       Material group (IEC 60864-1)     I       Mechanical data (Mexinal data)     Contamp       Ocaling to Statism     Zink dire casting       Material score voltation     Zin dire casting       Material score voltation in the perstation with the Mounting data     28 °C       Operating temperature minit.     28 °C       Operating temper	Operating voltage DC max.	250 V	
Operating voltage CC (LL-steel)     30 V       Current operating per contact max.     4 A       Installation (Concercion     Mound of the served       Mounting set     M12 x 1       Device protection   Electrical     Mound of the served       Additional condition protection degree     3       Ratid server protection   Electrical     4       Machinal concertification     2,5 NV       Machinal concertification     1       Mechanical data   Material server     Costing nature       Costing nature     Zine die-casting       Mechanical data   Material server     Mounting nethod       Evaluation advanceteristical Cleana     Bis C-       Operating temperature min.     42s °C       Operating temperature min.     42s °C       Operating temperature max.     Bis °C       Additional condition temperature range     deperating on cable quality       Instrume temperature max.     Bis °C       Additional conditin temperature max.     Bis °C <tr< td=""><td></td><td></td></tr<>			
Current operating per centant max.     4 A       Installation (Connection       Munning set     M12 x 1       Device protection   Electrical     Inserted, screwed       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated supproversition (Electrical     Inserted, screwed       Methanic Condition protection degree     2.5.4.V       Methanic Condition Protection degree     1       Mechanical data   Material data     Coating of timp       Coating of timp     nokeleld       Coating of timp     nokeleld       Coating of timp     nokeleld       Mechanical data   Material data     Zinc dis-casting       Moting timperature max.     95 °C       Operating homperature max.     95 °C			
Institution (Connection)     Vertice protection (Electrical       Device protection (Electrical     inserted, screwed       Polution protection optices     3       Radia scape volgage     2.5 NV       Material group (EC 60664-1)     1       Hechnical data (Material data)     Cocasing locking       Cosating locking     Nickelad       Cosating locking optimiting     nickel plated       Locking material     Zine die cassing       Material screw connection     Zine die cassing       Operating lomperature man.     25 °C       Operating institution torpecutur range     depering on cable quality       Internot scalad     Attention: Cosserw tree perinscible barring radii when laying cables, as the P rotococon class car to a strain relief       Notes ta scalard     Dowon, black			
Mounting set     M12 x 1       Device projection   Electrical       Additional condition protection degree     inserted, screwed       Pulnicin Degree     3       Rated guey outge 000000000000000000000000000000000000			
Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pallation Deprote     3       Rated surge voltage     2.5 kV       Material group (EC 606641)     1       Mechanical data [Material data     Coating of filing       Coating of filing     nickel plated       Mothing method     inserted, screwed, Shaking protection       Material group (EC 606641)     Inserted, screwed, Shaking protection       Material group connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Experiment group group (EC 606641)     Inserted, screwed, Shaking protection       Protect the screwed, Shaking protection     Experimentation       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Input time status     Attention: Cossrewe the permiseble bording and when laying cables, as the IP protection dass can be ending radus       Additional condition temperature range     brown, black, blue       Cable t			
Additional condition protection degree inserted, survewed   Pollution Dagree 3   Rated surge voltage 2,5.V   Material group (EC 60684-1) 1   Mechanical data   Material data Coating locking   Coating locking Nickeled   Coating locking material Zinc die casting   Material serve conscion Zinc die casting   Material group (EC 60684) Internet die conscions y 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.   Note on strain relief Direct (Consci be die cable	-	MI2 X I	
Poliution Degree     3       Rated surge voltage     2,5 kV       Matchail group (EC 60064.1)     1       Mechanical data   Material data     Coating (Dic 60064.1)       Coating of Iting     nicklel plated       Looking material     Zinc die casting       Material strew connection     Zinc die casting       Material strew connection     Zinc die casting       Munning method     inserted, sorewed, Shaking protection       Erwironmental characteristics   Climatic     Comparing temperature man.       Operating temperature man.     -25 °C       Operating temperature man.     -26 °C       Outco the connectors by suitable measures from	Device protection   Electrical		
Rated surge voltage     2,5 kV       Material group (EC 6064-1)     1       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking     Nickeled       Coating locking of fitting     nickel plated       Locking material     Zinc die casting       Material screw connection     Zinc die casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Granting temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Note on stain relief     Protext the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on stain relief     Diverse the permissible bending radii when laying cables, as the IP protection dias can be endangered by excessive bending forces.       Contormity     Product standard     DIN EN 61076-2-101 (M12)       Installation (Cable     Material scheelee     Cable cable dentification       Gabie Color     black     Diverse       Cable dentificaton	Additional condition protection degree	inserted, screwed	
Material group (IEC 6064-1)     I       Mechnical dia   Material data     Inckeled       Coating of thing     nickel plated       Cacing of thing     nickel plated       Cacing of thing     nickel plated       Cacing of thing     nickel plated       Material screw connection     Zinc die-casting       Mechnical data   Mounting data     Mechnical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Additional condition temperature max.     85 °C       Additional condition temperature may     depending on cable quality       Important Installation notes     Note on stain relief       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radit when laying cables, as the IP protection class can be ondangered by excessive bending forces.       Contormity     Installation Cable       Wree arrangement     brown, black, blue       Cable identification     633       Cable identification     633       Cable identification     633	Pollution Degree	3	
Mechanical data   Material data       Coaling oloking     Nickeled       Coaling of Itting     nickel plated       Locking material     Zine de-casting       Meterial soerve connection     Zine die-casting       Meterial soerve connection     Inserted, sorrwed, Shaking protection       Environmental characteristics   Climatic     Inserted, sorrwed, Shaking protection       Operating temperature min.     -28 °C       Operating temperature min.     -28 °C       Operating temperature max.     69 °C       Additional condition temperature may.     69 °C       Additional condition temperature may.     69 °C       Additional condition temperature may.     69 °C       Madition atondition temperature may.     69 °C       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     Metorial Chaber       View at anagement     brown, black, blue       Cable Type     3       dackat Color     53       Cable Type     3       dackat Golor     50 °C forted.       Type of Carificate     UPLAS	Rated surge voltage	2,5 kV	
Cating locking     Nickeled       Cating of fitting     inckel plated       Locking material     Zire die-casting       Material screw connection     Zire die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climation     Environmental characteristics   Climation       Environmental characteristics   Climation     25 °C       Operating temperature main.     25 °C       Operating temperature range     degending on cable quality       Important Installation notes     Environmental characteristics   Climation       Note on strain rolle!     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain rolle!     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain rolle!     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain rolle!     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain rolle!     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note Lies of Strain Strain     Strain Strain       Diselalitorin   Cable <td>Material group (IEC 60664-1)</td> <td></td>	Material group (IEC 60664-1)		
Coaling of fitting     nickel plated       Locking material     Zinc die-casting       Metrial screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temperature main.       Operating temperature main.     -25 °C       Operating temperature main.     -25 °C       Operating temperature main.     -25 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Note on bending radius     Attention: Observe the permissible bending radiu 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     Gable (dentification     633       Cable (dentification     633     Cable (dentification       Jacket Color     black     Type of Carlfication       Type of Carlfication     dues/ free, cadmium-free, CFC-free, halogen-free, silicone-free       Cable weigth     29,7 g/m     Material sizeket </td <td>Mechanical data   Material data</td> <td></td>	Mechanical data   Material data		
Locking material     Zinc die-casting       Material sorrew connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C     Additional condition temperature may.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.       Contornity     Installation: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Cable International     DIN EN 61076-2-101 (M12)       Installation   Cable     Wree arrangement       Vipe of Corlin     Black       Cable Identification     633       Cable Vipe     3       Jacket Color     Black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted	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 range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Write arrangement     brown, black, blue       Cable identification     633     Cable identification       Cable identification     G33     Cable identification </td <td>Coating of fitting</td> <td>nickel plated</td>	Coating of fitting	nickel plated	
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature 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 strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conomity     Environmental Characteristics   Climatic       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     Environmental characteristics   Climatic       wire arrangement     brown, black, blue       Cable identification     633       Cable identificate     cURus       Amount stranding     1       Stranding     1 wires twisted       wire arrangement     brown, black, blue       Cable weigh     29.7 g/m       Material jacket     PUR       Store A     Preedom trom ingredients (jacket)       Valer auragement     brown, black, blue	Locking material	Zinc die-casting	
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Comportation with the inserted screwed, Shaking protection       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     68 epending 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.       Note on strain relief     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.       Note on strain relief     DIN EN 61076-2-101 (M12)       Installation (Cable     user arrangement       Wrie arrangement     brown, black, blue       Cable identification     633       Cable identification     633       Cable identificate     cURus       Amount stranding     1       Stranding     1       Stranding     3 wires twisted       wires arrangement	Material screw connection	Zinc die-casting	
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     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.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Installation float     Attention:       Product standard     DIN EN 61076-2:101 (M12)     Installation float       Cable type     3     Jacket Color     black.       Type of Cortificate     c.UPus     Amount stranding     1 <t< td=""><td>Mechanical data   Mounting data</td><td></td></t<>	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 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 endangered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     wrie arrangement       wire arrangement     brown, black, blue       Cable Identification     633       Cable Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigh     29.7 g/m       Material jacket     PUR       Shore A     Protectime_cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.1 mm <td>Mounting method</td> <td>inserted, screwed, Shaking protection</td>	Mounting method	inserted, screwed, Shaking protection	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes        Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity        Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable        wire arrangement     brown, black, blue       Cable identification     633       Cable Identificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigh     29,7 g/m       Material jacket     PUR       Stranding     3 strast twisted       wire arrangement     brown, black, blue       Cable weigh     29,7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedow from ingredients (jacket)     lead-free, cadmiu	Environmental characteristics   Climatic		
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes        Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity        Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable        wire arrangement     brown, black, blue       Cable identification     633       Cable Identificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigh     29,7 g/m       Material jacket     PUR       Stranding     3 strast twisted       wire arrangement     brown, black, blue       Cable weigh     29,7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedow from ingredients (jacket)     lead-free, cadmiu	Operating temperature min.	-25 °C	
Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     wire arrangement     brown, black, blue       Cable forpe     3		85 °C	
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 ending forces.       Conformity     Product standard     DIN EN 61076-2-101 (M12)       Installation   Cable     wire arrangement     brown, black, blue       Cable Type     3			
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     write arrangement     brown, black, blue       Cable identification     633     Cable IV pe     3       Jacket Color     black     Ulus     Amount stranding     1       Stranding     3 wires twisted     Wire arrangement     Drown, black, blue       Gable weigth     29, 7 g/m     Material igackt     PUR       Stranding     1     Stranding     3 wires twisted       Wire arrangement     Drown, black, blue     Cable weigth     29, 7 g/m       Material igackt     PUR     Shore hardness igackt     90 ± 5 Shore A       Freedom from ingredients (jacket)     Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Permiter       Outer diameter (insulation     PP     Amount stranding     3     Outer diameter (insulation     PF       Amount wires     3 <td></td> <td></td>			
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     Installation   Cable       wire arrangement     brown, black, blue       Cable identification     633       Cable identification     633       Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wirs stvisted       wrier arragement     brown, black, blue       Cable weigth     29,7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± S 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 <td></td> <td>Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tice</td>		Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tice	
Note of role idning factors   endangered by excessive bending forces.     Conformity     Product standard   DIN EN 61076-2-101 (M12)     Installation   Cable     wire arrangement   brown, black, blue     Cable Type   3     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1     Stranding   3 vires twisted     wire arrangement   brown, black, blue     Cable type   3 vires 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 insulation   1,25 mm     Outer diameter insulation   1,25 mm     Outer diameter insulation   7 ± 5 Shore D     Ingredient freences wire insulation   7 ± 5 Shore D			
Product standardDIN EN 61076-2-101 (M12)Installation   Cablewire arrangementbrown, black, blueCable identification633Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation42	Note on bending radius		
Installation   Cablewire arrangementbrown, black, blueCable identification633Cable identification633Cable identification3Jacket ColorblackType 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)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation10 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation12 5 Shore DIngredient freeness wire insulation12 5 Shore DIngredient freeness wire insulation12 5 Shore DIngredient freeness wire insulation142	Conformity		
wire arrangementbrown, black, blueCable identification633Cable Type3Jacket ColorblackType 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 insulation1,25 mmOuter diameter insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 %Material wire insulation70 ± 5 Shore DIngredient freeness wire insulation42	Product standard	DIN EN 61076-2-101 (M12)	
Cable identification633Cable Type3Jacket ColorblackType 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)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation1ead-free, cadmium-free, CFC-free, halogen-freeAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-freeAmount strands (wire)42	Installation   Cable		
Cable Type3Jacket ColorblackType 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)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42	wire arrangement	brown, black, blue	
Jacket ColorblackType 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)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationR0 ± 5 Shore DIngredient freeness wire insulation42	Cable identification	633	
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)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cCFC-free, halogen-free, silicone-free	Cable Type	3	
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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 tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42	Cable weigth	29,7 g/m	
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Outer-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42	Shore hardness jacket	90 ± 5 Shore A	
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Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42	Outer-diameter (jacket)	4,1 mm	
Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42	Tolerance outer diameter (sheath)	±5%	
Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42	Material wire insulation	PP	
Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42	Amount wires	3	
Shore hardness wire insulation 70 ± 5 Shore D   Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Amount strands (wire) 42	Outer diameter insulation	1,25 mm	
Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42	Outer diameter tolerance core insulation	±5%	
Amount strands (wire) 42	Shore hardness wire insulation	70 ± 5 Shore D	
	Ingredient freeness wire insulation		
Diameter of single wires 0.1 mm	Amount strands (wire)	42	
	Diameter of single wires	0,1 mm	

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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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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