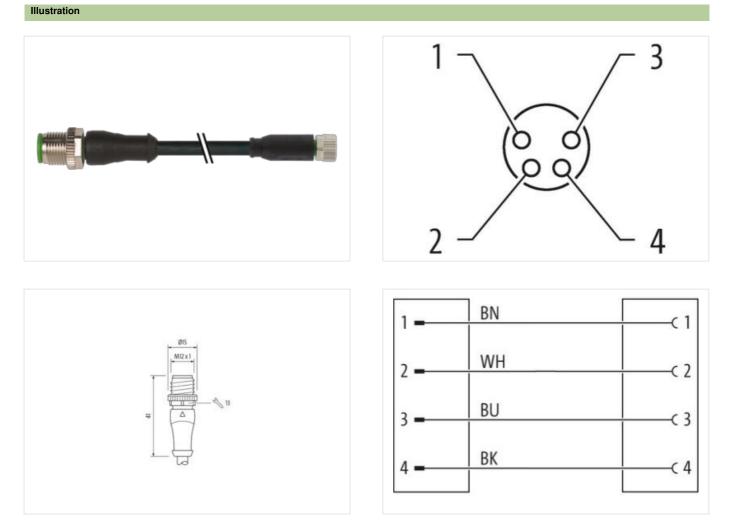


## M12 male 0° / M8 female 0° A-cod.

PUR 4x0.25 bk UL/CSA+robot+drag ch. 6.5m

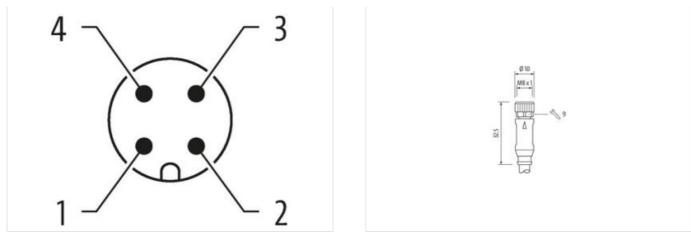
Male straight – female straight Zinc die casting, save-cover coated M12 – M8, 4-pole Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested 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: 2024-04-26





Product may differ from Image



Oshla lavath	0.5.4
Cable length	6,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	А
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Coding	А
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311

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ETIM-5.0     EC001855       customs tailf number     B5444290       Ort     4048879621434       Packaging unit     1       Electrical data   Supply        Operating voltage AC max.     50 V       Operating voltage AC (LL-listed)     30 V       Status indication LED     no       Deleosettic        Status indication LED     no       Deleosettic     3       Addition Degree     3       Status indication to rotection degree     1,5 kV       Material group (IEC 60664-1)     1       Material group (IEC 60664-1)     1       Material group (IEC 60664-1)     1       Material gasket     FKM       Locking material     Sinc de-casting       Material gasket     FKM       Locking material     Sinc C <tr< th=""><th>ECLASS-12.0</th><th>27060311</th></tr<>	ECLASS-12.0	27060311		
custors tarif numbor844420GTN404877821434Packaging unit1Electrical data [SupplyOperating voltage AC max.50 VOperating voltage AC max.60 VOperating voltage AC (UL-listed)30 VDevice protection IEnoDevice protection IEnoDevice protection IE1Nation AC (UL-listed)3Additional condition protection degree3Rated support (ES 008-11)1Methanical data I Material data1Methanical data I Material data1Methanical data I Material dataPMACoating of dingnicke jutaedMethanical data I Mouting data1Methanical data I Mouting data1Mouting number85 °CCoating of ding0 calend of ding 0 coable qualityCoating I operature max.85 °CCoating I operature may85 °CCoating I operature may85 °CCoating I operature may85 °CCoating I operature may85 °CCatelian I Calend0 IN EN 16178-2-111 (M2), IN EN 6178-2-114 (M5)Imaterial I operature may85 °CCatelian I Calend0 IN EN 16178-2-111 (M2), IN EN 6178-2-114 (M5)Imaterial I operature may85 °CCateli	ETIM-5.0			
GTIN     4048279621434       Packaging unit     1       Exercised data   Supply       Operating voltage AC rox.     50 V       Operating voltage AC rox.     60 V       Operating voltage AC (UL-leado)     30 V       Operating voltage AC (UL-leado)     30 V       Operating voltage AC (UL-leado)     30 V       Operating voltage CD (UL-leado)     30 V       Operating voltage CD (UL-leado)     30 V       Deface proceeding per contact max.     4 A       Deface proceeding to the contact of the conta	customs tariff number			
Electrical data   Soppiy         Uperating voltage AC max.         S0 V           Operating voltage AC (UL-listed)         30 V         Operating voltage AC (UL-listed)         30 V           Control operating voltage AC (UL-listed)         30 V         Operating voltage AC (UL-listed)         30 V           Control operating voltage CD (UL-listed)         no         Description (UL-listed)         No           Disposite         Feature State St	GTIN			
Electrical data   SupplyOperating voltage AC max.50 VOperating voltage DC mM.60 VOperating voltage DC MM.30 VControl operating voltage DC (UL-listed)30 VControl operating voltage DC (UL-listed)30 VControl operating voltage DC (UL-listed)30 VControl operating voltage DC (UL-listed)10Dispective1Dispective Protection ILECTICI1Additional contrilion protection degree3Ratei aurge voltage1.5 kVMaterial group (UE 05064-1)1Material group (UE 05064-1)1Mater	Packaging unit	1		
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Operating voltage DC (UL-listed)         30 Y           Current operating per context max.         4 A           Diagnostic         status indication LED         no           Device protection   Electrical				
Current operating per contact max.         4 A           Disposities         Status indication LED         no           Device protection [Electrical]         Additional condition protection degree         inserted, screwed           Additional condition protection degree         inserted, screwed         Pollution Degree         3           Patiots surge voltage         1.5 kV         Material group (EC 60664-1)         I           Mechanical data [ Material data         Coating of fitting         nickel plated         Coating of fitting         nickel plated           Coating of fitting         nickel plated         Coating of fitting         nickel plated         Coating of fitting         nickel plated           Metarial screw ornection         Zinc die-casting         Metarial screw ornection         Zinc die-casting           Metarial data [ Mounting data         Sinc die-casting         Metarial screw ornection         Zinc die-casting           Metarial condition temperature min.         -25 °C         Coperating temperature max.         85 °C           Additional condition temperature range         depending on cable quality         Comornity           Contornity         Contornity         Contornity         Contornity           Type of Contification         651         Casting fitting         Galack           Type of Con				
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Status indication LED         no           Device protection   Electrical         inserted, screwed           Addition protection degree         3           Baled surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         inserted, screwed           Coating loching in (IEC 60664-1)         sele-cover coated           Coating loching in (IEC 60664-1)         inserted, screwed, Status indication (IEC 60664-1)           Addical gasket         FKM           Coating of fitting         nickel plated           Coating of fitting         inserted, screwed, Staking protection           Material gasket La   Mounting data         inserted, screwed, Staking protection           Mounting mathed in temperature ranse         85 °C           Operating temperature ranse         85 °C           Additional condition temperature ranse         85 °C           Additional condition temperature ranse         85 °C           Coatomaty         Enverted           Product standard         DIN EN 1076-2-101 (M12), DIN EN 1076-2-114 (M8)           Installetion I Cabel         651           Cabio found fittion         651           Cabio found fittion         651           Cabio found fittion         651		4 A		
Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Reade surge vortage         1,5 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Coating of titing           Coating of titing         nickla plated           Methanical data   Material data         Executed of the screwed           Coating of titing         nickla plated           Material greek wordneetton         Zinc die-casting           Material greek wordneetton         Zinc die-casting           Methanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Operating maperature main.         25 °C           Operating temperature main.         25 °C           Colde identification         651           Cable identification         651           Cable identification         651           Cable identification </td <td>Diagnostics</td> <td></td>	Diagnostics			
Additional condition protection degree         inserted. screwed           Pollution Dagree         3           Rated aurge voltage         1.5 KV           Material group (IEC 60664-1)         1           Mechanical data   Material data         -           Coating filting         nickel plated           Coating of Iting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Mechanical data   Mouning data	Status indication LED	no		
Pollution Degree         3           Rated surge voltage         1,5 kV           Metarial group (EC 60664-1)         1           Mechanical datal Material data         Coating locking           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die casting           Muterial gasket         FKM           Locking material         Since die casting           Muterial genoperature max.         Since die casting on cable quality           Coperating temperature max.         Since die casting           Additional condition temperature max.         Since die casting           Color         Din EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation (Cable         Color           Dacker Color         black           Type of Centricate         CURus           Anount stranding         1           Stranding         4 wires twisted	Device protection   Electrical			
Rate aurge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Coaling locking         safe-cover coated           Coaling locking         safe-cover coated         Coaling locking           Coaling locking         nickel plated         Mechanical data   Munting data           Material gasket         FKM         Locking material           Locking material         Zinc die-casting         Mechanical data   Munting data           Mechanical data   Munting data         Inserted, screwed, Shaking protection         Environmental characteristics / Climatic           Environmental characteristics / Climatic         25 °C         Coerating temperature max.         85 °C           Additional condition temperature max.         85 °C         Contomity         Contomity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Environmental characteristics / Climatic           Cable identification         651         Cable Type         5           Cable Type         5         Cable Type         5           Stranding         4 wires twisted         Wire arrangement         Coleratic           Virge of Certificatie         CURus         Coleratic         Coleratic           Stranding         4 wires twisted	Additional condition protection degree	inserted, screwed		
Material group (IEC 60664-1)         I           Mechanical data   Material data            Coating of filing         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material gasket         FKM           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         -25 °C           Operating temperature max.         85 °C         -26 °C           Additional condition temperature max.         65 °C         -26 °C           Additional condition temperature max.         85 °C         -26 °C           Additional condition temperature max.         85 °C         -26 °C           Cotormity         Intel 1000000000000000000000000000000000000	Pollution Degree	3		
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Coating of fittingnickel platedMaterial gasketFKMLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting dataMechanical data   Mounting dataMounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification651Cable identification651Cable identification651Cable Identification651Stranding1Stranding1Wire arrangementbrown. black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weight31,9 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)4,7 mmTolerance outer diameter (jacket)4,7 mmTolerance outer diameter (jacket)4,7 mmTolerance outer diameter (jacket)4Anount wires4	Mechanical data   Material data			
Material gasket         FKM           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 min.         -25 °C         Coperating temperature max.         85 °C           Additional condition temperature range         depending on cable quality         Contromity           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable           Cable Type         5         Cable Type         Screen Cable Type           Cable Type         5         Cable Type         Screen Cable Type           Amount stranding         1         Stranding         4 wires twisted           wire arrangement         brown, black, blue, white         Cable Type         Screen Cable Type           No. of bending cycles (C-track)         10 Min. @ 25 °C         Cable Type         Screen Cable Type           Shranding         4 yires twisted         Screen Cable Type         Screen Cable Type         Screen Cable Type           No. of bending cycles (C-track)         10 Min. @ 25 °C         Cable Type         Screen Cable Type	Coating locking	safe-cover coated		
Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Commental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Conformity         Product standard           Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable fiftentification           Cable fiftentification         651           Cable ryop         5           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Min. @ 25 °C           Cable type         58 ± 3 Shore D           Freedom from ingredients (jacket)         19.49 (rm           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         4	Coating of fitting	nickel plated		
Material screw connection         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Conformation           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature may.         depending on cable quality           Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Conformity         Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Cable identification         651         Cataly           Cable identification         651         Cataly         Din EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable         Eastilation   Cable         Eastilation   Cable         Eastilation   Cable           Cable identification         651         Eastilation   Cable         Eastilation   Cable         Eastilation   Cable           Stranding         1         Stranding         1         Stranding         1           Stranding         1         Stranding         1         Stranding         2         2         Stranding         1	Material gasket	FKM		
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 max.         85 °C           Additional condition temperature max.         85 °C           Additional condition temperature may.         depending on cable quality           Conformity            Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable            Cable identification         651           Cable identification         651           Cable / Type         5           Jacket Color         black           Type of Certificate         CURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weight         31.9 g/m           Material jackt         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         <	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           Conformity            Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)           Installation   Cable            Cable didutification         651           Cable Type         5           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           No. of bending cycles (C-track)         10 Mo. @ 25 °C           Cable wigh         31.9 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         42 free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP	Material screw connection	Zinc die-casting		
Environmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification651Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable wigh31.9 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)4.7 mmTolerance outer diameter (sheath)± 5 %.Material wire insulationPPAmount wires4	Mechanical data   Mounting data			
Environmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification651Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable wigh31.9 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)4.7 mmTolerance outer diameter (sheath)± 5 %.Material wire insulationPPAmount wires4	Mounting method	inserted, screwed, Shaking protection		
Operating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification651Cable identification651Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio.@ 25 °CCable weigth31,9 g/mMaterial jacketPURShore D5* ± 3 Shore DFreedom from ingredients (jacket)4,7 mmColer-anderer (jacket)4,7 mmMaterial wire insulationPPAmount wires4	Environmental characteristics   Climatic			
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Additional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification651Cable identification651Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable type5# 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4				
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Installation   CableCable identification651Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth31,9 g/mMaterial jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4				
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Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth31,9 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires4	Installation   Cable			
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth31,9 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4	Cable identification	651		
Type of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth31,9 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires4	Cable Type			
Amount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth31,9 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4				
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Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4				
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4				
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Material wire insulation     PP       Amount wires     4		·		
Amount wires 4				
Outer diameter tolerance core insulation ± 5 %		1,25 mm ± 5 %		
		± 5 /6		

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Shore hardness wire insulation	74 ± 3 Shore D	
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Amount strands (wire)	32	
Diameter of single wires	0,1 mm	
Conductor crosssection (wire)	0,25 mm <sup>2</sup>	
Material conductor wire	Stranded copper wire, bare	
Conductor type (wire)	strand class 6	
Traversing distance (C-track)	5 m @ 25 °C   horizontal	
Current load capacity (standard)	to DIN VDE 0298-4	
Current load capacity min. wire	3,6 A	
Electrical resistance line constant wire	79 Ω/km @ 20 °C	
Nominal voltage power AC max.	300 V	
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s	
AC withstand voltage power (wire - wire)	2,5 kV @ 60 s	
Min. operating temperature (static)	-40 °C	
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation	
Operating temperature min. (dynamic)	-25 °C	
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation	
UV resistance	DIN EN ISO 4892-2 A	
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2	
chemical resistance	Good, application-related testing	
Gasoline resistance	Good, application-related testing	
Oil resistance	DIN EN 60811-404   Good, application-related testing	
Bending radius (fixed)	5 x Outer diameter	
Bending radius (dynamic)	10 x Outer diameter	
No. of torsion cycles	1 Mio.	
Torsion speed	35 cycles/min	
Torsion stress	± 360 °/m	

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