

## M12 male 0° / M8 female 90° A-cod.

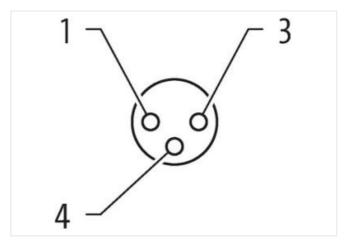
PVC 3x0.25 bk UL/CSA 20m

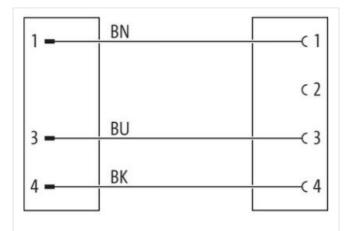
Male straight – female 90° M12 – M8, 3-pole Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

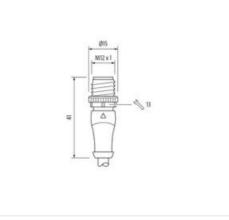
## Link to Product





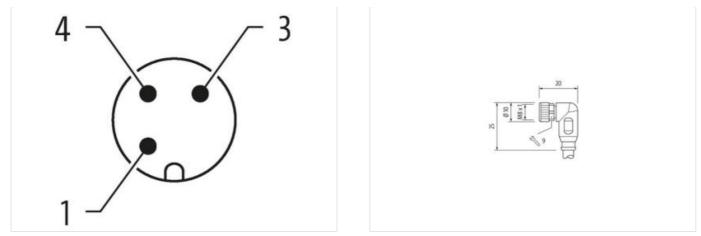






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-28





Product may differ from Image



Cable length	20 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	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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ETMA-0     ECON165       Controls Landin Number     6544300       GTN     4/4827803342       Packaging unit     1       Electrical data   Soppy        Operating voltage AC max.     69 V       Operating voltage AC max.     69 V       Operating voltage AC (Li-listed)     30 V       Concert operating voltage CO (Li-listed)     30 V       Mathema I Souppi (Li-listed)     30 V       Concert operating voltage CO (Li-listed)     30 V       Concert operating voltage CO (Li-listed)     30 V       Mathema I Souppi (Li-co Copera III)     1       Mathema I Souppi (Li-Co Copera III)     1       Mathema I Souppi (Li-Co Copera IIII)     1	ECLASS-12.0	27060311
GTM     4048875693342       Packaging unit     1       Electrical data [Supply     Image: Comparison of the Comparison of th	ETIM-5.0	EC001855
Packaging unit     1       Electrical catal Supply     Image: Comparing Values AC max.     50 V       Operating values AC max.     60 V     Operating values AC (UL listed)     30 V       Operating values AC (UL listed)     30 V     Operating values AC (UL listed)     30 V       Operating values AC (UL listed)     30 V     Operating values AC (UL listed)     30 V       Correct operating per context max.     4 A     Device protection IEeerrical     Image: Correct operating per context max.     4 A       Device protection per context max.     4 A     Device protection IEEerrical     Image: Correct operating per context max.     A       Additional contificity per context max.     4 A     Device protection IEEerrical     Image: Correct operating values AC (UL Riske)     Image: Correct values AC (UL Ris	customs tariff number	85444290
Electrical data   Supply     Generating voltage AC max.     50 V       Operating voltage DC max.     60 V     Comparing voltage DC max.     60 V       Operating voltage AC (ILL ieled)     30 V     Comparing voltage protection   Electrical       Device protection   Electrical     4 A       Device protection   Electrical     Image voltage     3       Additional condition protection degrate     is an electrical voltage voltage     3       Rated surge voltage     3     Image voltage voltage     3       Rated surge voltage     15 KV     Image voltage voltage     Image voltage voltage       Cataling boding     Device protection   Electrical     Image voltage voltage     Image voltage voltage       Cataling boding     Indevide an electrical voltage voltage     Image voltage volt	GTIN	4048879593342
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Operating voltage AC max.50 VOperating voltage AC (Lull-listed)30 VOperating voltage AC (Lull-listed)30 VOperating voltage AC (Lull-listed)30 VOperating voltage AC (Lull-listed)30 VOverating voltage DC (Lull-listed)30 VDevice production [ElectricalInserted, screwedPathlan Dagree3Radid aurge voltage1.5 VMaterial group (EC 80664-1)1Coating housingCopper alloyCoating housingCopper alloyCoating housingNickeledCoating housingNickeledCoating foctingNickeledMaterial group (EC 80664-1)NickeledCoating foctingNickeledCoating foctingNickeledCoating foctingNickeledMaterial gasketFKMLocking mathedIsserted, screwed, Staking protectionMaterial gasketS °CCoating forming allowIsserted, screwed, Staking protectionControl (Comperature max.S °CCoating forming to mathedS °CCoating to fing to metruture nanceS °CCoating	Electrical data   Supply	
Operating voltage AC (UI-listed)     30 V       Operating voltage AC (UI-listed)     30 V       Current operating por contact max.     4 A       Device protection   Electrical     A       Addronal condition protection degree     isented, screwed       Pollution protection agree     3       Bate surge voltage     1       Mechanical data   Material data     Cooting locating locating heat in the protection of gree       Coating locating locating     Nickeled       Coating locating locating locating     Nickeled       Coating locating loc		50 V
Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Corrent operating or contact max.     4 A       Device protection   Electrical        Additional condition protection degree     inserted, screwed       Politon Degree     3       Read supe voltage     1,5 kV       Material group (EC 606641)     1       Mechanicat data     Keckeled       Coating tocking     Nickeled       Material screw connection     Zine di-cassing       Mouting method     insertod, screwed, Shaking protection       Environmental characteristics   Clinnic     Clinnic <t< td=""><td></td><td></td></t<>		
Operating voltage DC (UL-listed)     30 V       Current operating per contant max.     4 A       Device opredice(DI Electrical        Additional condition protection degree     isserted, sorewed       Pollution Degree     3       Radds surge voltage     1.5 kV       Method group (EC 60664-1)     1       Method group (EC 60664-1)     2       Method group (EC 60664-1)     2       Method group (EC 60664-1)     2       Method group (EC 60674-1)     2       Method group (EC 60674-1)     2       Mouning method     inseried, sorewed, Shuking protecion       Exteromethof		
Ourrent operating per contact max.     4 A       Device protection   Electrical		30 V
Additional condition protection degree     inserted, screwed       Pollution Degree     3       Reted surge voltappe     1,5 kV       Material group (EC 60664.1)     1       Mechanical datal Material data     Coaling beding       Coaling beding     Nickeled       Coaling beding     Nickeled       Coaling beding     Nickeled       Coaling beding appet the first     PKM       Lociding meterial     Zin die-casting       Meterial gasket     PKM       Lociding meterial     Zin die-casting       Meterial strew connection     Zine die-casting       Muniting method     Inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Commethod       Controlition temperature rinin.     -25 °C       Operating temperature rinin.     -25 °C		4 A
Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (Ex 60664-1)     1       Machanizad data (Material data     Coating housing     Copper alloy       Coating housing     Copper alloy     Coating housing     Coating on thing       Coating of thing     nickel plated     Coating of thing     Nickel plated       Material screw connection     Zinc die-casting     Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting     Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting     Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting     Material screw connection     Zinc die-casting       Material space connection     Zinc die-casting     Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection     Externation     Zinc die-casting       Material space connection     25 ° C     Operating temperature max.     25 ° C       Operating temperature max.     25 ° C     Coating diamaterial condition temperature max.     25 ° C	Device protection   Electrical	
Bated surge voltage     1,5 kV       Material group (EC 6064-1)     1       Mechanical data   Material data     Cosper alloy       Coating looking     Nickeled       Coating looking     Nickeled       Coating looking     Nickeled       Coating looking     Nickeled       Material gaste     FKM       Locking material     Zinc die casting       Material gaste     TKM       Mounting method     Tinserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Operating temperature max.	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)     I       Mechanical data   Material data     Cooper alloy       Coating locking     Nickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Cooperating temperature max.       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conternity     Environmental characteristics   Climatic       Product standard     DIN EN 61076-2-011 (M12), DIN EN 61076-2-014 (M8)       Installion   Cable     Cable range       Cable range     Guading       Additional condition temperature range     Guading       Cable range     1       Jacket Color     black       Type of Centricate     CURus       Amount stranding     1       Stranding     3 wiras brist	Pollution Degree	3
Mechanical data     Copper alloy       Coating housing     Copper alloy       Coating filing     Nickeled       Coating filing     nickele plated       Material gasket     FKM       Locking material     Zinc die-casting       Material gasket     FKM       Material sorw connection     Zinc die-casting       Material sorw connection     Zinc die-casting       Material data     Mounting method       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     depending on cable quality       Contormity     Protocat stander       Protocat stander     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     610       Cable demitification     610       Cable Type     1       Jacket Color     Dlack       Type of Certification     040       Arrount stranding     1       Stranding </td <td>Rated surge voltage</td> <td>1,5 kV</td>	Rated surge voltage	1,5 kV
Coating housingCopper alloyCoating lookingNickeledCoating of fittingnickel platedMaterial gastetFKMLocking materialZinc die-castingMaterial sorew connectionZinc die-castingMaterial sorew connectionInserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticContign temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityContornityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Instantion (CableCable identification610Cable identification610Cable identification1Standing3 wires twistedwire arrangementbrown, black, blueCable wight29.37 g/mMaterial jacketPVCShore hardness jacket85 % Shore AFreedom from insulation1.5 %Material jacketPVCShore hardness jacket55 % Nore DCable regulation1.5 %Material jacketPVCShore hardness jacket55 % Nore D	Material group (IEC 60664-1)	
Coating locking     Nickeled       Coating locking     Nickel Pated       Material gasket     FKM       Locking matrial     Zinc die-casting       Material screw connection     Zinc die-casting       Metanical data [Mounting dat     Ince die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental obtaracteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature max.     85 °C       Contormity     Product standard       DIN EN 61076-2·101 (M12), DIN EN 61076-2·114 (MB)     Installation   Cable       Installation   Cable     Cable identification       Cable identification     610       Cable identification     610       Cable identification     610       Cable identification     610       Type of Certificate     CUPus       Amount stranding     1       Stranding     3 wires twiseto	Mechanical data   Material data	
Coating locking     Nickeled       Coating locking     Nickel Pated       Material gasket     FKM       Locking matrial     Zinc die-casting       Material screw connection     Zinc die-casting       Metanical data [Mounting dat     Ince die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental obtaracteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature max.     85 °C       Contormity     Product standard       DIN EN 61076-2·101 (M12), DIN EN 61076-2·114 (MB)     Installation   Cable       Installation   Cable     Cable identification       Cable identification     610       Cable identification     610       Cable identification     610       Cable identification     610       Type of Certificate     CUPus       Amount stranding     1       Stranding     3 wires twiseto	·	Copper alloy
Coating of fitting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting 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     Operating temperature min.     -25 °C       Operating temperature max.     85 °C		nickel plated
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Construct       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Contomity     Product standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     610       Cable Identification     610       Cable Identification     1       Jacket Color     black.       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arangement     brown, black, blue       Cable weighth     29.37 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     4.5 mm       Tolerance under (jacket))     ± 5 %		
Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Construction       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 identification       Cable identification     610       Cable identification     610       Cable identification     610       Cable identification     610       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     29,37 g/m       Material jacket     PVC       Store Arrows jacket     85 s 5 Shore A       Freedom from ingredients (jacket)     lead-free, calicone-free       Outer diameter (sheath)     ± 5 %       Material wire insulation     PVC<		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 identification     610       Cable Type     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     swires twisted       Wrier arrangement     brown, black, blue       Cable weigth     29,37 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from lengredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4,5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount stranding     5 %       Outer-diameter (acket)     4,5		
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 identification     610       Cable of type     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     29,37 g/m       Material jacket     PVC       Shore hardness jacket     85 * 5 %       Outer-diameter (jacket)     4,5 m       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount vires     3       Outer-diameter (sheath)     ± 5 %       Material wire insulation     PVC       Shore hardness size wire insulation     1,25 mm       Outer diameter insulation	Mechanical data   Mounting data	
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 identification     610       Cable of type     1       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     29,37 g/m       Material jacket     PVC       Shore hardness jacket     85 * 5 %       Outer-diameter (jacket)     4,5 m       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount vires     3       Outer-diameter (sheath)     ± 5 %       Material wire insulation     PVC       Shore hardness size wire insulation     1,25 mm       Outer diameter insulation	Mounting method	inserted, screwed. Shaking protection
Operating temperature min. $-25 ^{\circ} C$ Operating temperature max. $85 ^{\circ} C$ Additional condition temperature rangedepending on cable qualityConformityInstallation of CableProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identificationCable identification610Cable identificationblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable right 29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)4,5 mmTolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulationPVCAmount wires3Outer diameter (isculation1,25 mmOuter diameter (isculation1,5 %Shore hardness wire insulation45 ± 5 Shore D		
Additional condition temperature range   depending on cable quality     Conformity   Intervention of the condition temperature range     Product standard   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable   Cable identification     Cable identification   610     Cable Color   black     Type of Certificate   cURus     Arnount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   29.37 g/m     Material jacket   PVC     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer diameter (jacket)   4.5 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Arount wires   3     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %	· · ·	
ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification610Cable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPVCAmount wires3Outer diameter (sheath)± 5 %Outer diameter (sheath)± 5 %Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Operating temperature max.	85 °C
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification610Cable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPVCAmount wires3Outer diameter (sheath)± 5 %Outer diameter (sheath)± 5 %Outer diameter tolerance core insulation± 5 %Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Additional condition temperature range	depending on cable quality
Installation   CableCable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29.37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Conformity	
Installation   CableCable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29.37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Installation   Cable	
Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	·	610
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D		
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation45 ± 5 Shore D		black
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D		
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Cable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Stranding	3 wires twisted
Material jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D		brown, black, blue
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Cable weigth	29,37 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Material jacket	PVC
Outer-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation   PVC     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   45 ± 5 Shore D	Outer-diameter (jacket)	4,5 mm
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore D	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 5 %   Shore hardness wire insulation 45 ± 5 Shore D	Amount wires	3
Shore hardness wire insulation 45 ± 5 Shore D	Outer diameter insulation	1,25 mm
	Outer diameter tolerance core insulation	
Material properties wire insulation good machinability		
	Material properties wire insulation	good machinability

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Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 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 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
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

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