

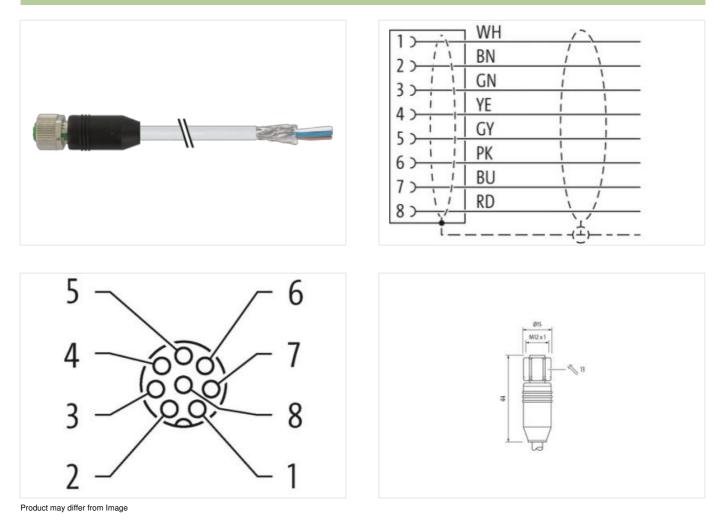
## M12 female 0° A-cod. with cable shielded V2A

PUR 8x0.25 shielded gy UL/CSA+drag ch. 15m

Female straight M12, 8-pole shielded Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Stainless steel 1.4305 (V2A) 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

Illustration





Cable length

15 m

Commercial data

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: 2024-05-17

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ECLASS 7.0     27279218       ECLASS 8.0     27279218       ECLASS 8.0     27090311       ECLASS 8.10     27090311       ECLASS 8.11     27090311       ECLASS 8.10     27090311       ECLASS 8.10     4644290       Optiming voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Operating trompation min.     25 °C       Operating voltage AC max.     35 °C       Addrend control status min.     45 °C       Operating voltage AC max.     5 °C <t< th=""><th>ECLASS-6.0</th><th>27279218</th></t<>	ECLASS-6.0	27279218
ECLASS-8.0     279/2018       ECLASS-0.0     27080311       ECLASS-0.0     27080311       ECLASS-0.0     27080311       ECLASS-10.1     27080311       ECLASS-10.2     27080311       ECLASS-10.4     27080311       ETM-5.0     ECO01855       actions tarff maker     8544490       GTIM     44687511906       Packaging unit     1       Electical actis Stappiy     Constains tarff maker       Operating voltage AC max.     30 V       Operating voltage AC max.     30 V       Device protection   Electrical     Polution protection   Electrical       Meteral group [10 GBR-1)     1       Environmental characteristics   Climatic     Operating tomporature max.       Operating tomporature max.     85 °C       Additional conflocin temperature arrage     depending on cable quality       Important Installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Additional Color     291       Cable isferificator     Cable versity bearding radit when laying cables, as the IP protection class cart be antification (cable	FCLASS-7.0	
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customs tariff number     85444280       GTN     4048873111966       Packaging unit     1       Electrical data [Supply     90 V       Operating voltage AC max.     30 V       Device protection [Electrical     90 V       Porting voltage DC max.     30 V       Device protection [Electrical     90 V       Device protection [Electrical     90 V       Coparating tomperature min.     25 °C       Operating tomperature min.     25 °C       Operating tomperature max.     85 °C       Additional condition tomperature range     depending on cable quality       Important installation notes     Attention: Cobserve the permissible bending radii when laving cables, as the IP protection class can be endangered by excessive bending fradii when laving cables, as the IP protection class can be endangered by excessive bending fradii when laving cables, as the IP protection class can be endangered by excessive bending fradii when laving cables, as the IP protection class can be endangered by excessive bending fradii when laving cables, as the IP protection class can be endangered by excessive bending fradii when laving cables, as the IP protection class can be endangered by excessive bending fradii when laving cables, as the IP protection class can be endangered by excessive bending fradii when laving cables, as the IP protection class can be endangered by excessive bending forces.       Installation (Coteringe)		
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Packaging unit     1       Electrical data   Supply		
Electrical data   Supply     Jonume       Operating voltage AC max.     30 V       Operating voltage DC max.     30 V       Device oprotection Electrical     Image: Comparison of the compar		
Operating vorbage DC max.     30 V       Device protection   Electrical        Pollution Degree     3       Material group (ICE 60664-1)     I       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 tes.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.       Installation / Cable     Zable diantification       Cable of antification     291       Cable Type     3       Jacket Color     gray       Type of Cartification     291       Cable Type     3       Jacket Color     gray       Type of Cartification     291       Cable straiting (type)     copper braid, finned       Cable straiting (type)     copper braid, finned       Cable straiting (type)     copper braid, finned       Cable straiting (type)     90 ± 5 Shore A		
Device protection   Electrical       Pollution Degree     3       Material group (IEC 60864-1)     1       Environmental characteristics   Climatic     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 max.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.       Note on bending radius     Attention: Observe the pormissible bending radii when laying cables, as the IP protection class can be endurgered by excessive bending forces.       Installation Cable     Eable identification     291       Cable forpe     3     Jacket Color     gray       Type of Certificate     cURus     Amount strainding     1       Stranding     8 wires around Core filler twisted     Cable shielding (type)     Cable filler twisted       Cable shielding (type)     copyer braid, tinned     Eable Shielding (coverage)     80 %       Banding     Fleece, Foll     Filler     Yees	Operating voltage AC max.	30 V
Polution Degree     3       Material group (IEC 6066-1)     I       Environmental characteristics [Climatic     25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     65 °C       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Additional (Cable     Attention: Costeve the permissible bending radii when laying cables, as the IP protection dass can be endangered by excessive bending forces.       Cable of coster (Cable weight)     291       Cable fieldification     291		30 V
Polution Degree     3       Material group (IEC 6066-1)     I       Environmental characteristics [Climatic     25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     65 °C       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Additional (Cable     Attention: Costeve the permissible bending radii when laying cables, as the IP protection dass can be endangered by excessive bending forces.       Cable of coster (Cable weight)     291       Cable fieldification     291		
Material group (IEC 60684-1)     I       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature maye     depending on cable quality.     Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable 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.       Naterial column     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation (Cable     Cable the control or gray       Jacket Color     291       Cable the shielding (type)     copper braid, finned       Cable shielding (type)     copper braid, finned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       File     yes </td <td>· ·</td> <td>3</td>	· ·	3
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     65 °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 files.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending fores.       Installation   Cable     291       Cable furge     3       Jacket Color     gray       Type of Certificate     CURus       Mount stranding     1       Stranding     8 wires around Core filler twisted       Cable shielding (coverage)     80 %       Barding     Fileace, Foil       File     yes       wire arrangement     brown, white, red, blue, pink, gray, yellow, green       Cable weight     78.1 g ún       Material jacket     PUR       Shore A     Freedom from ingeridents (jacket)       Freedom from ingeridents (jacket)     1.5 %       Material wir	-	
Operating temperature min.     -25 °C       Operating 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.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation (Cable     291       Cable identification     291       Cable Type     3       Jacket Color     gray       Type of Carlificate     CIPus       Amount stranding     1       Stranding     8 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (overage)     80 %       Banding     Fileece, Foil       Filler     yes       Wrie arrangement     brown, while, red, blue, pink, gray, yellow, green       Cable shielding izaket     PUR       Shore hardnese jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free		•
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 tiles.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles.       Installation I Cable     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation I Cable     291       Cable Type     3       Jacket Color     gray       Type of Cartificate     c.URus       Amount stranding     1       Stranding     8 wires around Core filler twisted       Cable shielding (tope)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     brown, while, red, blue, pink, gray, yellow, green       Cable silcent from ingredients (jacket)     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     PuR       Outer diameter (sheath)     ± 5 % </td <td></td> <td></td>		
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.       Installation I Cable     Attention: Observe the permissible bending forces.       Installation I Cable     Cable identification     291       Cable Type     3     Jacket Color     gray       Type of Certificate     cURus     Amount Stranding     1       Stranding     8 wires around Core filler twisted     Cable shielding (type)     copper braid, timed       Cable shielding (type)     copper braid, timed     Cable     Stranding     8 wires around Core filler twisted       Cable shielding (type)     copper braid, timed     Cable shielding (type)     copper braid, timed       Cable weigh     78,1 g/m     Material jackt     PUR       Shore hardmess jacket     90 ± 5 Shore A     Predectore (anneter (saket))     teact/ree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (isoket)     7mm     Toperance outer (anneter (sheath))     ± 5 %       Material ja		
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.       Installation   Cable     Cable identification     291       Cable Identification     291     Cable Identification     291       Cable Identification     gray     Type of Cartificate     cURus       Amount stranding     8 wires around Core filler twisted     Cable shielding (type)     copper braid, timed       Cable shielding (type)     copper braid, timed     Cable shielding (type)     copper braid, timed       Cable shielding (type)     copper braid, timed     Stranding     Stranding       Barding     Fleece, Foil     Filler     yes     Stranding		
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 endingered by excessive bending forces.       Installation   Cable     Cable Identification     291       Cable Identification     291     Cable Identification     291       Gable Type     3     3     Jacket Color     gray       Type of Certificate     cuBrus     Amount stranding     1       Stranding     8 wires around Core filler twisted     Cable shielding (coverage)     80 %       Banding     Fleece, Foil     Flier     yes     wire arrangement     bown, white, red, blue, pink, gray, yellow, green       Cable weigh     78,1 g/m     Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A     Freedom from ingredients (jacket)     t z %       Material wire insulation     PP     Amount strain     z %       Material wire insulation     PP     Amount strain     z %       Material jacket     PUR     Shore hardness jacket     90 ± 5 Shore A       Freedon from ingredie	Additional condition temperature range	depending on cable quality
Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable       Cable identification     291       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     8 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foil       Filler     yes       wire arrangement     brown, white, red, blue, pink, gray, yellow, green       Cable weigth     78,1 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadnium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     1,2 mm       Outer diameter insulation     1,2 mm       Outer diameter insulation     1,2 mm       Outer diameter insulat	Important installation notes	
Note on bending factures     endangered by excessive bending forces.       Installation   Cable       Cable Identification     291       Cable Type     3       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     8 wires around Core filler twisted       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fileece, Foil       Filler     yes       wire arrangement     brown, white, red, blue, pink, gray, yellow, green       Cable shielding (acket)     71 ym       Atterial jacket     9UR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     7 mm       Tolerance outer diameter (sheath)     ± 5 %       Amount stres     8       Outer diameter insulation     1,2 mm       Outer diameter insulation     1,2 mm       Outer diameter insulation     7 ± 5 %       Shore hardness wire insulation	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Cable identification291Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding8 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arrangementbrown, white, red, blue, pink, gray, yellow, greenCable weigh78,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material vire insulationPPAmount wires8Outer diameter insulation1,2 mmOuter diameter tolerance core insulation1,2 mmOuter diameter tolerance core insulation1,5 %Shore hardness wire insulation70 ± 5 Shore DIngredient treeness wire insulation16 shore DIngredient treeness wire insulation16 shore DIngredient treeness wire insulation18 shore, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mm	Note on bending radius	
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Type of CertificatecURusAmount stranding1Stranding8 wires around Core filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arrangementbrown, white, red, blue, pink, gray, yellow, greenCable weigth78,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (glacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter tolerance core insulation1,2 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation12 ± 5 %Diameter of single wires0,1 mm	Cable Type	3
Amount stranding   1     Stranding   8 wires around Core filler twisted     Cable shielding (type)   copper braid, tinned     Cable shielding (coverage)   80 %     Banding   Fleece, Foil     Filler   yes     wire arrangement   brown, white, red, blue, pink, gray, yellow, green     Cable weigth   78,1 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)   7 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   8     Outer diameter insulation   1,2 mm     Outer diameter insulation   1,2 mm     Outer diameter insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   1,2 cm     Outer diameter of single wires   0,1 mm	Jacket Color	gray
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Cable shielding (coverage)80 %BandingFleece, FoilFilleryeswire arrangementbrown, white, red, blue, pink, gray, yellow, greenCable weigth78,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter tolerance core insulation1,2 mmOuter diameter tolerance core insulation70 ± 5 % repShore hardness wire insulation70 ± 5 % repShore hardness wire insulation32Diameter of single wires0,1 mm	Stranding	8 wires around Core filler twisted
BandingFleece, FoilFilleryeswire arrangementbrown, white, red, blue, pink, gray, yellow, greenCable weigth78,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationIead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mm	Cable shielding (type)	copper braid, tinned
Filleryeswire arrangementbrown, white, red, blue, pink, gray, yellow, greenCable weigth78,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter tolerance core insulation1,2 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulationP0 ± 5 Shore DIngredient freeness wire insulation82Diameter of single wires0,1 mm	Cable shielding (coverage)	80 %
wire arrangementbrown, white, red, blue, pink, gray, yellow, greenCable weigth78,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter tolerance core insulation1,2 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulationIead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mm	Banding	Fleece, Foil
Cable weigth78,1 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter insulation1,2 mmOuter diameter tolerance core insulation70 ± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mm	Filler	yes
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter tolerance core insulation± 5 %Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1,2 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)32Diameter of single wires0,1 mm	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter tolerance core insulation1,2 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)32Diameter of single wires0,1 mm	Cable weigth	78,1 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter insulation1,2 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)32Diameter of single wires0,1 mm	Material jacket	PUR
Outer-diameter (jacket)7 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter insulation1,2 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)32Diameter of single wires0,1 mm		90 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires8Outer diameter insulation1,2 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)32Diameter of single wires0,1 mm	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulationPPAmount wires8Outer diameter insulation1,2 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)32Diameter of single wires0,1 mm	Outer-diameter (jacket)	7 mm
Amount wires8Outer diameter insulation1,2 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)32Diameter of single wires0,1 mm	Tolerance outer diameter (sheath)	
Outer diameter insulation   1,2 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)   32     Diameter of single wires   0,1 mm	Material wire insulation	РР
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)   32     Diameter of single wires   0,1 mm	Amount wires	8
Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mm	Outer diameter insulation	
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mm	Outer diameter tolerance core insulation	
Amount strands (wire) 32   Diameter of single wires 0,1 mm	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires 0,1 mm	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
		32
Conductor crosssection (wire) 0,25 mm <sup>2</sup>		
	Conductor crosssection (wire)	0.25 mm <sup>2</sup>

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Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
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
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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