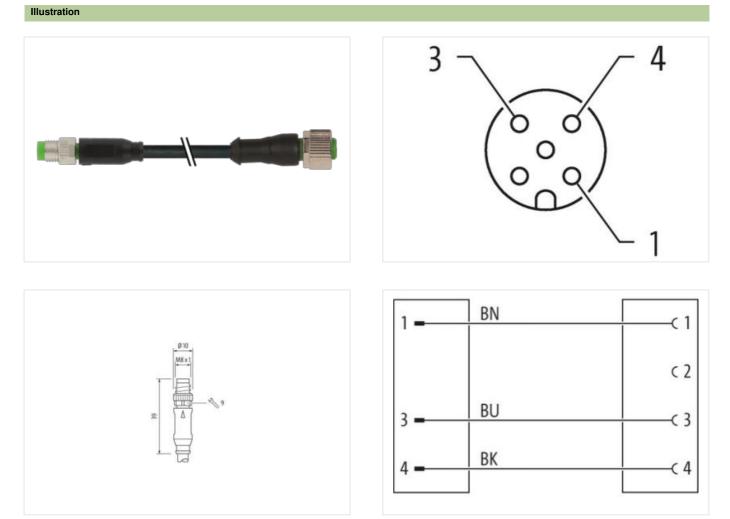


## M8 male 0° / M12 female 0° A-cod.

PUR 3x0.25 bk UL/CSA+robot+drag ch. 1m

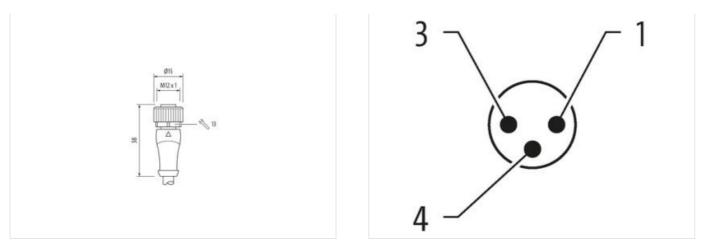
Male straight – female straight Zinc die casting, save-cover coated M8 – M12, 3-pole Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually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

## 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: 2024-04-23 Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl





Product may differ from Image



Cable length	1 m
Side 1	
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 contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
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 Ø)	10 mm
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311

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Dattors self number     6444201       GNIN     404827125792       Packaging unit     I       Electrical data   Steppy     Comparing voltage AG Max.       Oparating voltage AG Max.     60 V       Oparating voltage AG Max.     60 V       Oparating voltage AG (UL-listed)     30 V       Oparating voltage AG (UL-listed)     30 V       Oparating voltage AG (UL-listed)     30 V       Deparating voltage AG (UL-listed)     30 V       Additional confilion policitic network     National confilion policitic network       Material agasting (ICE 6664-1)     1       Material propertitic voltage AG (UL-listed)     2m of occusing       Material propertitic voltage AG (ICE 6664-1)     1       Material propertitic voltage AG (ICE 6664-1)     1       Material propertitic voltage AG (ICE 6664-1)     2m of occusing       Material prothot     Insolved, staking protocoton </th <th>ETIM-5.0</th> <th>EC001855</th>	ETIM-5.0	EC001855
Packaging unit     1       Electrical clais [Supply	customs tariff number	85444290
Electrical data   Supply     Constraint ording to Const.     50 V       Operating voltage DC Domat.     60 V     Constraint ording to Const.     60 V       Operating voltage DC Domat.     60 V     Constraint ording to Constraint and t	GTIN	4048879123792
Electrical data   Supply     Constraint ording to Const.     50 V       Operating voltage DC Domat.     60 V     Constraint ording to Const.     60 V       Operating voltage DC Domat.     60 V     Constraint ording to Constraint and t	Packaging unit	1
Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating DE (UL-listed)     30 V       Device protection   Electrical     Device protection   Electrical       Material problem     Colorn       Colorn protection   Electrical     Device protection   Electrical       Material problem     Zelor       Device protection   Electrical     Device protection   Electrical       Device protection   Electrical     Device protection   Electrical	Electrical data   Supply	
Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating DE (UL-listed)     30 V       Device protection   Electrical     Device protection   Electrical       Material problem     Colorn       Colorn protection   Electrical     Device protection   Electrical       Material problem     Zelor       Device protection   Electrical     Device protection   Electrical       Device protection   Electrical     Device protection   Electrical	Operating voltage AC max.	50 V
Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Current operating voltage AC (UL-listed)     30 V       Device protection   Electrical     Electrical       Device protection protection operating association of the stated, screwed     Polution protection degree       Additional condition protection degree     3       Bated surge voltage     1,5 kV       Material gasket     FKM       Material gasket     FKM       Material gasket     FKM       Material gasket     FKM       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating inspectrum       Operating inspectrum emix.     45 °C       Operating inspectrum emix.		60 V
Operating port operating per contact max.     4 A       Device protection [Electrical        Degree of protection [Electrical        Degree of protection (EN IEC 60629)     1P65, IP67, IP68, IP66K       Additional condition protection degree     issertiad, screwad       Polition Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60624)     1       Material group (IEC 60644)     1       Material group (IEC 60644)     1       Material group (IEC 60644)     afet-cover coated       Material group (IEC 60644)     FMM       Material group (IEC 60644)     FMM       Material probein     FUR       Casting Docking     safe-cover coated       Material probein     FUR       Material probein     FUR       Material probein     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Contomitiv       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Contomitiv     Environmental characteristics [ Climatic       Cable dofficatino     Gol		30 V
Durient operating per contact max.     4 A       Device optotection   Electrical       Device optotection (FM EC 6052)     IPRS, IPR7, IPR8, IPR6K       Additional condition protocion degree     a       Rated surge voltage     3.       Rated surge voltage     1.5 kV       Material group (EC 6064-1)     1       Mechanical data   Material data     Contin Jociny       Conting Jociny     sale cover coated       Material gasket     FKM       Material gasket     FKM       Material gasket     IRM       Device protocoliny     Content		30 V
Device protection   Electrical     IPES, IPES, IPES, IPEBK       Degree of protection (EN IEC 60529)     IPES, IPES, IPEBK       Additional condition protection degree     isserted, screwed       Pulluton Degree     3       Rated surge voltage     1,5 kV       Material drova (EC 60684-1)     1       Mechanical data   Material data     FKM       Material grova (EC 6068-1)     1       Material grova (EC 6068-1)     1       Mechanical data   Material data     FKM       Material grova (EC 6068-1)     1       Material grova (EC 6068-1)     1       Mechanical data   Mounting data     Grover coated       Material data (Mounting data     Tion elle-casting       Mechanical data   Mounting data     View (EC 6069-1)       Mounting method     isserted, screwed, Shaking protection       Environmental characteristics   Climatic     Climatic       Operating temperature max.     85 °C       Cadditional condition temperature range     depending on cable quality       Contrastonal     Dite N 61076-2-110 (M12), Din EN 61076-2-114 (M8)       Material data   Material data     Quiet quality, Diak & Diak       Cadditinglon <td></td> <td>4 A</td>		4 A
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1.5 kV     Material group (EC 60664-1)   1     Mechanical data   Material data   Coating looking     Gating looking   safe-cover coated     Material gaskat   FKM     Material housing   PUR     Locking material   Zinc die-casiing     Mechanical data   Material gaskat   FKM     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Gilmatic   Control     Operating temperature max.   85 °C     Additional condition temperature max.   85 °C     Additional condition temperature max.   85 °C     Cable information   650     Cable forget   5		
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   1.5 kV     Material group (EC 60664-1)   1     Mechanical data   Material data   Coating looking     Gating looking   safe-cover coated     Material gaskat   FKM     Material housing   PUR     Locking material   Zinc die-casiing     Mechanical data   Material gaskat   FKM     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Gilmatic   Control     Operating temperature max.   85 °C     Additional condition temperature max.   85 °C     Additional condition temperature max.   85 °C     Cable information   650     Cable forget   5	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Pollution Degree     3       Rated surge Votage     1.5 kV       Material group (EC 60664-1)     1       Mechanical data   Material data     Coating locking       Sale-cover coated     Material gasket       Material gasket     FKM       Material gasket     FKM       Material pasket     FKM       Material pasket     FKM       Material nousing     PUR       Locking material     Zinc die-casiling       Material nousing method     isserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Cablic optime     DIN EN 61076-2·101 (M12), DIN EN 61076-2·114 (M8)       Instation (Cable     Cable quality       Cable Identification     650       Cable Identification     650       Cable Type     5       Jacket Cloor     black       Type of Cartificate     cURus       Anount stranding     1       Stranding     3 wires twisted       wir		
Balaci surge voltage     1,5 kV       Material group (EC 60664-1)     I       Mechanical data   Material data     Cading locking       Cading locking     sale-cover coated       Material pasket     FKM       Material pasket     FKM       Material pasket     FKM       Material pasket     FCM       Material pasket     FCM       Material pasket     FCM       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Climatic       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Conformity     Environmental characteristics   Climatic       Environmental characteristics   Climatic     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Conformity       Conformity     Environmental characteristics   Climatic       Additional condition temperature max     85 °C       Additional condition temperature max     85 °C       Cable Type     5       Jacket Oclor     DIN EN 61076-2-101		
Material group (IEC 60664-1)     1       Mechanical data   Material data		1,5 kV
Mechanical data   Material data       Coating locking     safe-over coated       Material locking     FKM       Material locking method     FKM       Material housing     PUR       Locking material     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed. Shaking protection       Environmental characteristics   Climatic     Comparing temperature max.       25 °C     Operating temperature max.       26 °C     Operating temperature max.       Additional condition temperature max.     85 °C       Contermity     Product standard       DiN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable       Cable identification     650     Gaber Climatic       Cable identification     650     Gaber Climatic       Type of Certificate     cURus     Amount standing       Type of Certificate     cURus     Gabere with standard <t< td=""><td></td><td></td></t<>		
Coaling locking     sale-cover coated       Material pasket     FKM       Material housing     PUR       Locking matrial     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C       Contemity     Product standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation Cable     Cable identification       Cable identification     650       Cable identification     650       Cable identification     650       Cable identification     black       Type of Certificate     cURus       Amount standing     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of berding cycles (C-track)     10 Mio. @ 25 °C       Cable weigth     92 ± 3 Shore D <		
Material gasket     FKM       Material loousing     PUR       Locking material     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temporature min.     -25 °C       Operating temporature min.     -25 °C     Operating temporature max.     85 °C       Additional condition temporature range     depending on cable quality     Operating temporature max.     85 °C       Additional condition temporature range     depending on cable quality     Operating temporature max.     85 °C       Additional condition temporature range     depending on cable quality     Operating temporature max.     85 °C       Cable totage     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installion   Cable     Installion   Cable       Cable totage     Cable totage     Sole condition     Sole condition     Sole condition       Stacket Color     black     Disck     Disck     Sole condition     Sole condition       Starading     3 wires twisted     Wire arragement     brown, black, blue     Sole condition (@ 25 °C     Cable weight     26 4 g/m     Cable weight     26 4 g		safe-cover coated
Material housing     PUR       Locking material     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 max.     85 °C       Diventity     The condition temperature max.       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable dentification       Cable identification     650       Cable identification     650       Cable identification     650       Cable identification     050       Amount stranding     1       Stranding     3 wires twisted       Nor or bending cycycis (C-track)     10 Mio. @ 25 °C		
Locking material     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatu     Operating temperature min.     -25 °C       Operating temperature min.     -25 °C     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Operating temperature max.     85 °C       Contomity     Environmental characteristics (Climatu     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation (Cable Cable identification     650       Cable Identification     650     Cable identification     650       Cable Identification     650     Cable identification     Mount stranding     1       Stranding     1     1     Stranding     1     Stranding     1       Stranding     3 wires twisted     Wire arrangement     Drown, black, blue     No.     No. of bending cycles (C-track)     10 Mo. @ 25 °C		
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Comparing temperature min.     -25 °C       Operating temperature max.     85 °C     Comparing temperature max.     85 °C       Additional condition temperature range     depending on cable quality     Comparing     Comparing       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable       Cable identification     650     Cable identification     650       Cable identification     650     Cable identification     CuRus       Amount stranding     1     Strading     S wires twisted       Wrie arrangement     brown, black, blue     No. of berding cycles (C-track)     10 Mio. @ 25 °C       Cable weigh     28.4 g/m     Material jacket     PUR       Shore hardness jacket     58 ± 3 Shore D     Freedom Irom ingredients (jacket)     48.9 m       Material jacket     PUR     Amount wires     3     Conterdiameter (jaket)     4.9 mm       Tolerance outer diameter (jaket)     4.9 mm     Comparing in the strandwire insulation     PP     Amount wires	-	
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     650       Cable identification     0.0 Rex Not Standard       Mount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of bending cycles (C-track)     10 Mio. @ 25 °C       Cable weigh     26.4 g/m       Material jacket     PUR       Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     4.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Admount wires     3 <td></td> <td></td>		
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.     depending on cable quality       Contemity        Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     650       Cable identification     650       Cable Identification     6107       Mount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of bending cycles (C-track)     10 M0. @ 25 °C       Cable weight     26, 4 g/m       Material jackt     PUR       Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mn		
Operating temperature min25 °COperating temperature max.85 °CAdditional condition temperature mayedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableECable Identification650Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable wigh26,4 g/mMaterial jacketPURShore hardness jacket54 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (isketi)± 5 %Material wire insulationPPAmount wires3Outer diameter (sheatth)± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulation74 ± 3 Shore DShore hardness wire insulation125 mmOuter diameter insulation125 mmOuter diameter insulation125 mmOuter diameter insulation74 ± 3 Shore DShore hardness wire insulation14 ± 3 Shore DAnder thereness wire insulation125 mmOuter diameter insulation125 mmOuter diameter insulation125 mmOuter diameter insulation14 ± 3 Shore DShore hardness wire insulation14 ± 3 Shore D	-	inserted, screwed, Shaking protection
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       Cable identification     650       Cable Type     5       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       No. of bending cycles (C-track)     10 Mo.@ 25 °C       Cable wigth     26,4 g/m       Material jacket     PUR       Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     15 %       Material wire insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diamet	Environmental characteristics   Climatic	
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   650     Cable Identification   650     Cable Type   5     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     No. of bending cycles (C-track)   10 Mio. @ 25 °C     Cable weigth   26.4 g/m     Material jacket   PUR     Shore hardness jacket   58 ± 3 Shore D     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4.3 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1.25 mm		
ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification650Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26.4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)4.3 mTolerance outer diameter (sheath)± 5 %Material wire insulation1.25 mmOuter diameter loberance core insulation1.25 mmOuter diameter loberance core insulation1.25 mmOuter diameter loberance core insulation1.45 %Shore hardness wire insulation1.25 mmOuter diameter loberance core insulation1.25 mmOuter diameter loberance core insulation1.25 mmOuter diameter loberance core insulation1.4 ± 3 Shore DIngredient freeness wire insulation1.4 ± 3 Shore D	· · · ·	
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification650Cable identification650Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter folerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationFee, cadmium-free, CFC-free, halogen-free, silicone-freeOuter diameter lolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter lolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationIead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Additional condition temperature range	depending on cable quality
Installation   CableCable identification650Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 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 wires3Outer diameter fuelerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1/25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Conformity	
Cable identification650Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (sheath)± 5 %Material insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationIead-free, cadmium-free, CFC-free, halogen-free, silicone-freeIngredient freeness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation14 ± 3 Shore DIngredient freeness wire insulationIead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Product standard	
Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 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 wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cArrium-free, CFC-free, halogen-free, silicone-freeOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %		DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free	Installation   Cable	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationIead-free, CFC-free, halogen-free, silicone-free	· ·	
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, CFC-free, CFC-free, halogen-free, silicone-free	Cable identification	650
Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type	650 5
wire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation74 ± 3 Shore DIngredient freeness wire insulationr4 ± 3 Shore DIngredient freeness wire insulationlead-free, cAdmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color	650 5 black
No. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color Type of Certificate	650 5 black cURus
Cable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding	650 5 black cURus 1
Material jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding	650 5 black cURus 1 3 wires twisted
Shore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	650 5 black cURus 1 3 wires twisted brown, black, blue
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track)	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C
Outer-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m
Tolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR
Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   74 ± 3 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     58 ± 3 Shore D
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     58 ± 3 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   74 ± 3 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     58 ± 3 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,3 mm
Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   74 ± 3 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     58 ± 3 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,3 mm     ± 5 %
Shore hardness wire insulation 74 ± 3 Shore D   Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     58 ± 3 Shore D     lead-free, cadmium-free, CFC-free, halogen-free     4,3 mm     ± 5 %     PP
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     58 ± 3 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,3 mm     ± 5 %     PP     3
	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     58 ± 3 Shore D     lead-free, cadmium-free, CFC-free, halogen-free     4,3 mm     ± 5 %     PP     3     1,25 mm
Amount strands (wire) 32	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     58 ± 3 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,3 mm     ± 5 %     PP     3     1,25 mm     ± 5 %
	Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation Shore hardness wire insulation	650     5     black     cURus     1     3 wires twisted     brown, black, blue     10 Mio. @ 25 °C     26,4 g/m     PUR     58 ± 3 Shore D     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,3 mm     ± 5 %     PP     3     1,25 mm     ± 5 %     74 ± 3 Shore D

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: 2024-04-23

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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	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)	2,5 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 § 1100 FT2   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
No. of torsion cycles	1 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 360 °/m