

## M8 male 0° / M12 female 0° A-cod.

PUR 4x0.25 gy UL/CSA 2m

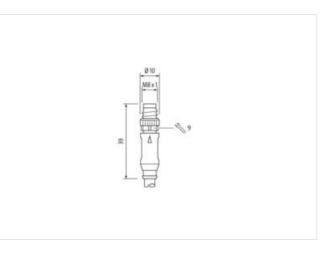
## ⚠ NOTICE ⚠ PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Male straight – female straight M8 – M12, 4-pole M12, A-coded 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.

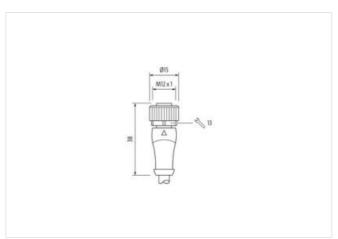
## Link to Product

Illustration



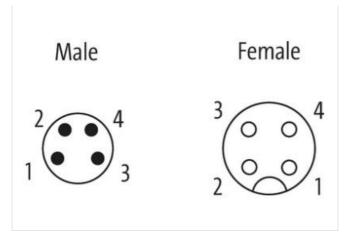






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-27





Product may differ from Image



Cable length	2 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 Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
No. of poles	4
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	4
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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Material housing     PUR       Locking material     Zinc die-casting       Mechanical data   Mounting data     Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating 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     221     Cable Color     gray       Type of Certificate     cURus     Amount stranding     1       Stranding     4 wires twisted     wire arrangement     brown, black, blue, white	ETIM-5.0	EC001855
GTM 4048279305075   Packaging unit 1   Electrical cistal Supply Concentry voltage AC max. 50 V   Operating voltage AC max. 60 V   Operating voltage AC max. 4 A   Device protection (Electrical   Device protection (Electrical   Degree d protection (Electrical   Barled surge voltage AC (ML lead)   Additional condition protection degree   all surge voltage   Conting localing Nickeled   Material gasset PKM   Material space voltage Inserted, soewed, Shaking protection   Environmental characteristics (Climatic Voltage Concentry   Operating emperature max. 25 °C   Operating emperature max. <t< td=""><td>customs tariff number</td><td>85444290</td></t<>	customs tariff number	85444290
Electrical data   Supply     Sol V       Operating values AC max.     60 V       Operating values AC (UL-listed)     30 V       Concruing values AC (UL-listed)     185 Pr. PB8, PB6K       Additional confilon protection degree     3       Rate stage values values AC (UL-listed)     185 Pr. PB8, PB6K       Additional confilon protection degree     3       Rate stage values values AC (UL-listed)     185 Pr. PB8, PB6K       Material group (EE 80664-1)     1       Material group (EE 80664-1)     2       Material group (EE 80664-1)     2 </td <td>GTIN</td> <td>4048879305075</td>	GTIN	4048879305075
Operating voltage AC max.     50 V       Operating voltage AC max.     60 V       Operating voltage AC LUL isleed)     30 V       Control porting provided max.     4 A       Device protection   Electrical     Institute operating provided may and provided m	Packaging unit	1
Operating voltage DC max     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Device protection   Electrical     Device protection (PLC Coll Stated)       Device protection (PLC Coll Stated)     PPS, IPS7, IPG8, IPG8K       Additional condition protection degree     inserted, screwed       Pullution Degree     3       Rated surge voltage     1,5 NV       Material rough (EC 60664-1)     1       Mechanical data   Material data     Ecological (PLC 80664-1)       Mechanical data   Material data     FMA       Material rough (EC 60664-1)     1       Mechanical data   Material data     FMA       Material rough (EC 60664-1)     1       Mechanical data   Mounting data     Material rough (EC 60664-1)       Mechanical data   Mounting data     Time de-casaing       Mechanical data   Mounting data     Material rough (EC 60664-1)       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Climatic       Device protection for protection (Environmax)     85 °C       Additional condition tumperature range     depording on cable quality <td>Electrical data   Supply</td> <td></td>	Electrical data   Supply	
Operating voltage DC max     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Device protection   Electrical     Device protection (PLC Coll Stated)       Device protection (PLC Coll Stated)     PPS, IPS7, IPG8, IPG8K       Additional condition protection degree     inserted, screwed       Pullution Degree     3       Rated surge voltage     1,5 NV       Material rough (EC 60664-1)     1       Mechanical data   Material data     Ecological (PLC 80664-1)       Mechanical data   Material data     FMA       Material rough (EC 60664-1)     1       Mechanical data   Material data     FMA       Material rough (EC 60664-1)     1       Mechanical data   Mounting data     Material rough (EC 60664-1)       Mechanical data   Mounting data     Time de-casaing       Mechanical data   Mounting data     Material rough (EC 60664-1)       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Climatic       Device protection for protection (Environmax)     85 °C       Additional condition tumperature range     depording on cable quality <td>Operating voltage AC max</td> <td>50 V</td>	Operating voltage AC max	50 V
Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Concern operating per contact max.     4 A       Device protection   Electrical     Electrical       Device operating voltage AC (UL-listed)     1965, IP67, IP68, IP66K       Additional condition protection degree     3       Rated surge voltage     1,5 kV       Methad group (IEC 68664-1)     1       Methad group (IEC 68664-1)     Resettion       Mes		
Operating voltage DC (UL-listed)     30 V       Current operating per contant max.     4 A       Device protection [Electrical        Degree of protection (EN IEC 60529)     IP65, IP67, IP68, IP66K       Additional condition protection degree     inserted, screwed       Polliton Degree     3       Rated surge voltage     1,5 KV       Matterial group (EC 60664-1)     1       Mechanical data     Mechanical data       Mechanical data     Mechanical data       Material possign     PUR       Locking material     Zinc die-casting       Mechanical data     Mounting data       Mechanical data     Mechanical data       Cording londpreature min.     25 °C       Operating lemperature max.     85 °C       Additional dotal function     21       Caloinal dotal function     21       Cable identification     21       Cable identification     21		
Qurrent operating per contact max.     4 A       Device protection   Electrical       Degree of protection (FNE EC 6055)     IP65, IP67, IP68, IP68K       Additional condition protection degree     3       Raded surge voltage     1, S. W       Material group, (EC 60664-1)     1       Material group, (EC 60664-1)     1       Material protection data     FKM       Material group, (EC 60664-1)     1       Material protection (FM EC 60564-1)     1       Material roup (EC 60564-1)     1       Material roup (FC 60564-1)     2       Califormal condition temperature max.     85 °C       Califoral condition temperature max		
Device protection   Electrical       Degree of protection (EN ICE 06529)     I P65, IP67, IP68, IP66K       Additional condition protection degree     isserted. screwed       Pullution Degree     3       Rated surge voltage     1.5 kV       Material dota (E 06064+1)     1       Mechanical data   Material data     FXA       Material pose (E 06064+1)     1       Mechanical data   Material data     FXA       Material pose (E 06064+1)     1       Mechanical data   Material data     FXA       Material pose (E 06064+1)     1       Mechanical data   Mounting data     Cinc classing       Mechanical data   Mounting data     Cinc classing       Mechanical data   Mounting data     Screwed, Shaking protection       Environmental characteristics   Climatic     Cinc climatic       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Cable identification     221       Cable identification     221       Cable identification     221		
Degree of protocion (EN IEC 60529)     IP65, IP67, IP68, IP66K       Addinanal condition protection degree     inserted, screwed       Pated surge voltage     1,5 KV       Material group (IEC 6064-1)     I       Mechanical data   Material data     Control       Coating locking     Nickeled       Material group (IEC 6064-1)     I       Mechanical data   Material data     Control       Coating locking     PUR       Locking material     Zin die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating lemperature min.       Operating lemperature min.     -25 °C       Operating lemperature max.     85 °C       Additional condition temperature range     depending on cable quality       Mounting temperature max.     85 °C       Additional Condition temperature range     depending on cable quality       Environmental characteristics   Climatic     Conormity       Product standad     DIN EN 61076-2-114 (M8)       Installation   Cable     Color       Cable Type     2       Jacket Cobr     gray		77
Additional condition protection degree   inserted, serewed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (EC 60664-1)   1     Mechanical data   Material data   Coating looking     Material gravati   FKM     Material paskat   FKM     Material housing   PUR     Locking method   inserted, serewed, Shaking protection     Environmental characteristics [ Climatic   Operating temperature man.     Operating temperature man.   25 °C     Operating temperature man.   25 °C     Operating temperature man.   85 °C     Additional condition temperature man.   85 °C     Additional condition temperature man.   85 °C     Additional condition temperature man.   25 °C     Operating temperature man.   25 °C     Operating temperature man.   25 °C     Contomity   Environmental condition temperature man.     Eable Type   2     dacket Color   grav     Type of Certificate   QFUs     Amount stranding   1     Stranding   4 wires twisted     wire arrangement		
Pollution Degree     3       Rated surge voltage     1,5 kV       Maderial group (E 50664-1)     1       Mechanical data [Material data     Coaling [ooking]       Nickaled     FKM       Material goak (E 50664-1)     1       Material gasket     FKM       Material pasket     FKM       Material pasket     FKM       Material noising     PUR       Locking material     Zinc die-casting       Machail housing method     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Coaling (I more rature max.       Operating temperature max.     85 °C       Additional condition temperature range     deponding on cable quality       Contornity     Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Instation (Cable     221     Cable Type       Cable Identification     221     Cable Type       Jacket Color     gray     Type of Cartificate       Auries trianding     1     Stranding       No et back dig cycles (C-track)     2 Mo. @ 25 °C       Cable wight     32.01 g/m		
Baled surge voltage     1,5 kV       Material group (EC 6064-1)     I       Mechanical data [Material data     Cading locking       Cading locking     Nickeled       Material pasket     FKM       Material pasket     FKM       Material pasket     FLM       Material pasket     Cno die-casting       Mechanical data [Mounting data     Mounting method       Environmental characteristics [Climatic     Commental characteristics [Climatic       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C <td< td=""><td></td><td></td></td<>		
Material group (IEC 60664-1)     I       Mechanical data (Material data     Vickeled       Coaling locking     Nickeled       Material gastex     FKM       Material gastex     FKM       Material gastex     FKM       Mechanical data (Mounting data     Zinc die-casting       Mechanical data (Mounting data     Inserted, sorewed. Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature max.     85 °C	-	
Mechanical data   Material data       Coating locking     Nickeled       Material lousing     PUR       Locking material     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed. Shaking protection       Environmental characteristics / Climatic     Cooperating temperature max.       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Contormity     Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     culter and standard     DIN EN 61076-2-114 (M8)       Installation   Cable     culter and standard     Culter and standard       Joket Color     grav     Type of Certificate     culFus <td></td> <td>1,5 kV</td>		1,5 kV
Coating locking     Nickeled       Material pasket     FKM       Material housing     PUR       Locking material     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Q5 °C     Operating temperature min.       Q5 °C     Operating temperature min.       Additional condition temperature may.     d5 °C       Additional condition temperature may.     d5 °C       Contemity     Inselfactor (M12), DIN EN 61076-2-114 (M8)       Installation Cobbe     Inselfactor (M12), DIN EN 61076-2-114 (M8)       Cable identification     221       Cable identification     4 wires twisted       wire arrangement     brown, black, blue, white       No ot barding cycles (C-track)     2 Mio. @ 28 °C       Cable weight     32,01 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A <td></td> <td></td>		
Material gasket     FKM       Material housing     PUR       Locking material     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature max.     85 °C       Additional condition temperature max.     65 °C       Additional condition temperature max.     65 °C       Additional condition temperature max.     65 °C       Additional condition temperature max.     85 °C       Cable totat standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable Totat       Cable Totat     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable Totat       Additional condition temperature data data data     Condition       Installation   Cable     Cable Totat	Mechanical data   Material data	
Material housing     PUR       Locking material     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating 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       Additional condition temperature max.     85 °C     Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C     Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C     Nontrophy Commental Characteristics (Climatic     Additional condition temperature max.     85 °C       Contormity     Envice maximum     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Immediate data (M8)     Immediate data (M8)       Installation (Cable     Envice Maximum	Coating locking	Nickeled
Locking material     Zinc clie-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Commental characteristics   Climatic       Operating temperature main.     -25 °C       Operating temperature main.     -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     221       Cable Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       No. of bending cycles (C-track)     2 Nio. QP 25 °C       Cable weigh     32.01 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     4.6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount w	Material gasket	FKM
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatto       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     221       Cable identification     221       Cable Identification     221       Cable Identification     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       No. of bending cycles (C-track)     2 Mio.@ 25 °C       Cable weigh     32.01 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     4.5 m       Tolerance outer diameter (shealth)     ± 5 %       Material	Material housing	PUR
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     depending on cable quality       Conformity        Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable        Cable identification     221       Cable Identification     21       Cable Identification     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       No. of bending cycles (C-track)     2 Mio. @ 25 °C       Cable weight     32,01 µm       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     4.6 mm       Toleranze outer (diameter (sheath)     ± 5 %       Material jacki     PVC       Amou	Locking material	Zinc die-casting
Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature maye     depending on cable quality       Contemity     Product standard       Din Ke 1076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable       Cable identification     221       Cable Type     2       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       No. do 25 °C     Cable weigth       Store hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     PuR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (sheath)     ± 5 %       Material jacket     PVC       Amount wries     4       Outer diameter insulation     1,25 rm       Outer diameter insulation     1,25 rm       Outer diameter insulation </td <td>Mechanical data   Mounting data</td> <td></td>	Mechanical data   Mounting data	
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   Cable221Cable identification221Cable IdentificationgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32.01 g/mMaterial jacketPURShore Aardnees wire insulation4.6 mmTolerance outer (facket)4.6 mmOuter diameter (insulation4.25 °GCouter diameter (insulation4.25 °GCouter diameter (insulation4.5 %Tolerance outer (facket)1.55 %Material jacketPURShore hardness jacket85 ± 5 Shore DMaterial wire insulation9.V°CAnount wires4Outer diameter (insulation1.25 mmOuter diameter (insulation1.25 mmOuter diameter insulation4.5 5 Shore DShore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore D	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Installation [Cable       Backet Color     221       Cable Type     2       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       Wire arrangement     brown, black, blue, white       No. of bending cycles (C-track)     2 blic 20° C       Cable wigh     32.01 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedon from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Arount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     ± 5 %       Shore hardness wire insulation     4.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm	Environmental characteristics   Climatic	
Additional condition temperature range   depending on cable quality     Conformity   Image: Conformity     Product standard   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable   Cable identification   221     Cable identification   221   Cable Toppe   2     Jacket Color   gray   Type of Certificate   CURus     Amount stranding   1   Stranding   4     Stranding   4 wires twisted   Wire arrangement   brown, black, blue, white     No. of bending cycles (C-track)   2 Nio. @ 25 °C   Cable weigth   32.01 g/m     Material jacket   PUR   Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-tree, cadmium-free, CFC-free, silicone-free   Outer-diameter (jacket)   4.6 mm     Tolerance outer diameter (sheath)   ± 5 %   Material wire insulation   PVC     Amount wires   4   Outer diameter (isulation   1.25 mm   Outer diameter (isulation     Outer diameter insulation   1.25 mm   Shore hardness wire insulation   4.5 %     Shore hardness wire insulation   4.3 ± 5 Shore D   Material properties wire insulation   4.3 ± 5 Shore D	Operating temperature min.	-25 °C
ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification221Cable Type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32.01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)4.6 mmTolerance outer diameter (sheath)± 5 %Material wire insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter foreacce ore insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore D	Operating temperature max.	85 °C
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification221Cable Type2Jacket ColorgrayType of CertificatecURusArmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32,01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4.6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCArmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Additional condition temperature range	depending on cable quality
Installation   CableCable identification221Cable Type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32.01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4.6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Conformity	
Cable identification221Cable Type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32,01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material vire insulationPVCAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32,01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Installation   Cable	
Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32,01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Cable identification	221
Type of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32,01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Cable Type	2
Amount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32,01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Jacket Color	gray
Stranding4 wires twistedwire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32,01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Type of Certificate	cURus
wire arrangementbrown, black, blue, whiteNo. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32,01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Amount stranding	1
No. of bending cycles (C-track)2 Mio. @ 25 °CCable weigth32,01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Stranding	4 wires twisted
Cable weigth32,01 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	wire arrangement	brown, black, blue, white
Material jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter tolerance core insulation± 5 %Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	No. of bending cycles (C-track)	2 Mio. @ 25 °C
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Cable weigth	32,01 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Material jacket	PUR
Outer-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   4     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   43 ± 5 Shore D     Material properties wire insulation   good machinability	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulationPVCAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Outer-diameter (jacket)	4,6 mm
Amount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinability	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   43 ± 5 Shore D     Material properties wire insulation   good machinability	Material wire insulation	PVC
Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   43 ± 5 Shore D     Material properties wire insulation   good machinability	Amount wires	4
Shore hardness wire insulation 43 ± 5 Shore D   Material properties wire insulation good machinability	Outer diameter insulation	1,25 mm
Material properties wire insulation good machinability	Outer diameter tolerance core insulation	±5%
	Shore hardness wire insulation	43 ± 5 Shore D
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	Material properties wire insulation	good machinability
	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free

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Amount strands (wire)	32
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3,6 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2 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
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter

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