

## M12 male 0° / M8 female 90° A-cod. LED

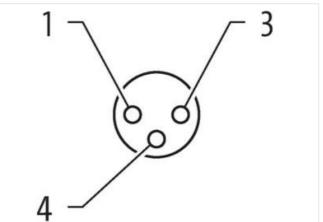
PUR 3x0.25 bk UL/CSA+drag ch. 1.2m

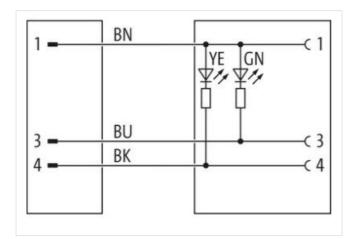
Male straight – female 90° M12 – M8, 3-pole LED (yellow/green) Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

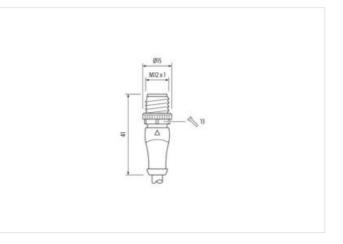
## Link to Product

Illustration



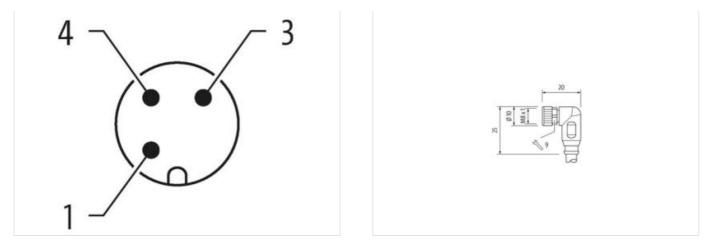






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Product may differ from Image



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ETMA 5.0ECON1895actioners saff merbal8544490GTM404897660267Packaging unit1Electrical distal SupplyOperating voltage DC24 VOperating voltage DC max. (UL-lated)30 VCorrent operating voltage DC max. (UL-lated)30 VPolution Degree3Tattal surger voltage DC34 VMaterial gasterPOUNetatorial distal Material distaCoaling lacking0.84 VMaterial gasterPOUNetatorial distal Material distaCoaling lacking materialZine discalingMaterial gasterPOUNetatorial distal Material distaCoaling lacking materialPOUNetatorial distal distalPOUDestang tomperature min.25 °COperating	ECLASS-12.0	27060311
OTIN   4048879680257     Packagng unit   1     Electrical dial [Supply   Electrical dial [Supply]     Opparing voltage DC max.   30 V     Opparing voltage DC max.   30 V     Opparing voltage DC max.   30 V     Opparing voltage DC max.   5 mA     Diagnostics   E     Status indication LED   green, yellow     Device protection L [Excitual   30 V     Additional condition protection degree   3     Poliution Degree   3     Rated supp voltage   0.6 k/V     Material group [Condent data   Condent data     Costing locking   Nickleid     Costing locking   Pickleid     Costing locking   Nickleid     Costing locking   Nickleid </td <td>ETIM-5.0</td> <td>EC001855</td>	ETIM-5.0	EC001855
Packaging unit       1         Electrical data   Supply       Image: Comparing voltage DO       24 V         Operating voltage DO max.       18 V         Operating voltage DO max.       30 V         Operating voltage DO max.       30 V         Corrent onswarping no max.       5 mA         Disgonatics       Status indication LDD       grein, yoltage         Device protection [Electrical       Polyton protection degree       Image: Yoltage         Additional condition protection degree       Image: Yoltage       Image: Yoltage         Device protection [Electrical       Polyton Degree       Image: Yoltage         Additional condition protection degree       Image: Yoltage       Image: Yoltage         Device protection [Electrical       Image: Yoltage       Image: Yoltage         Device protection [Statige       0.8 kV       Image: Yoltage         Material gatis       Fix0       Image: Yoltage         Conting of thing       Image: Yoltage       Image: Yoltage         Material gatis       Fix0       Image: Yoltage         Device protection       Zme device woltage       Image: Yoltage         Device protection       Zme device woltage       Image: Yoltage	customs tariff number	85444290
Electrical data   Supply       Coperating voltage DC min.       24 V         Operating voltage DC max.       90 V       Operating voltage DC max.       91 V         Operating voltage DC max.       91 V       Operating voltage DC max.       91 V         Operating voltage DC max.       91 V       Operating voltage DC max.       91 V         Operating voltage DC max.       91 V       Operating voltage DC max.       91 V         Operating voltage DC max.       91 V       Status indication LCD       Status indication LCD       groon, yoltow         Device protection   Electrical       mested, sorewed       Pollution Degree       3         Rated auge voltage DC 0004:1       1       Internet Status indication Electrical         Material goster       PKM       Cating to Status       Status indication Electrical         Material goster       PKM       Cating to Status       Status indication         Material goster       PKM       Cating to Status       Status indication Electrical         Material goster correction       Zro die casing       Status indication Electrical       Status indication Electrical         Material goster correction       Zro die casing       Status indication Electrical       Status indication Electrical	GTIN	4048879680257
Operating voltage DC       24 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Current consumption max.       5 mA         Dignotids       Search MC         Stalss indication LDD       groon, yellow         Device protection IElectical       sorow MC         Additional condition protocion degree       inserted, sorowed         Patient Stals indication ME       0.8 kV         Material group (EC 60664.1)       1         Mechanical acting Inserted, sorowed       Material group (EC 60664.1)         Mechanical acting Inserted, sorowed, Shaking protocion group material       Zinc dia cating of max.         Coaling of fitting       nickel plated         Material gasket       Fick.         Coaling of fitting       nickel plated         Material gasket       Fick.         Coaling material       Zinc dia cating of max.         Material gasket       Fick.         Coperating resperature max.       88 °C         Additional condition protocion max.       85 °C         Coperating temperature min.       45 °C         Operating temperature min.       45 °C         Coperating temperature min.       85 °C	Packaging unit	1
Operating voltage DC max.       18 V         Operating voltage DC max.       30 V         Operating voltage DC max.       4 A         Current operating per contact max.       4 A         Diagnostic       State infocation tLED       green. yellow         Device protection   Electrical       Additional contable protection green. yellow         Device protection   Electrical       Additional contable protection green       3         Rated surge voltage       0.8 kV       Material group (EE 60664-1)       1         Mechanical data   Material data       Coating toking       Nickeled       Coating toking       Coating toking         Coating toking       Nickeled       Coating toking       Nickeled       Coating toking       Coating toki	Electrical data   Supply	
Operating voltage DC max.       18 V         Operating voltage DC max.       30 V         Operating voltage DC max.       4 A         Current operating per contact max.       4 A         Diagnostic       State infocation tLED       green. yellow         Device protection   Electrical       Additional contable protection green. yellow         Device protection   Electrical       Additional contable protection green       3         Rated surge voltage       0.8 kV       Material group (EE 60664-1)       1         Mechanical data   Material data       Coating toking       Nickeled       Coating toking       Coating toking         Coating toking       Nickeled       Coating toking       Nickeled       Coating toking       Coating toki	Operating voltage DC	24 V
Operating vorlage DC max.       90 V         Operating vorlage DC max. (UL. listed)       90 V         Current operating per contect max.       4 A         Current operating per contect max.       5 mA         Diagnostics       Filter         Status indication LED       green: yellow         Device protection   Electrical       Filter         Addition a condition protocolon degree       inserted, screwed         Pollution Digrope       3         Rated surge voltage       0.8 kV         Material group, (EC 60664-1)       I         Mechanical addita       Inserted, screwed         Coaling on filting       nickel plated         Material grastek       FKM         Locking material       Zinc die-casting         Material grastek       INCM         Meterial screw connection       Zinc die-casting         Material grastek       INCM         Deparating temperature max.       85 °C         Operating temperature max.       85 °C         Operating temperature max.       85 °C         Operating temperature max.       85 °C         Cathornid       DIN EN 61076 2-114 (M12), DIN EN 61076 2-114 (M8)         Instadid condition		18 V
Current consumption max.       5 mA         Diagnostics       Status indication LED       groon, yollow         Device protection [Electrical       Additional condition protection degree       inserted. screwed         Additional condition protection degree       3       Revice screwed         Pollution Degree       3       Revice screwed         Pollution Degree       3       Revice screwed         Material group (IEC 20064-1)       1       Inserted screwed         Coating doking       Nickeled       Revice screwed         Material screw connection       Zinc die-casting       Revice screwed         Material screw connection       Zinc die-casting       Revice screwed         Mounting method       Inserted, screwed, Shaking protection       Environmental characteristics [ Climatic Operating remperature mix.       45 °C         Operating temperature mix.       45 °C       Gendemity       Gendemity         Product standard       DIN EN 61076-2-114 (M2), DIN EN 61076-2-114 (M8)       Inserted, Screwed, Shaking protection		30 V
Current consumption max.       5 mA         Diagnostics       Status indication LED         Status indication LED       green, yellow         Device protection [Electrica]       Additional condition protection degree         Additional condition protection degree       3         Rated surge voltage       0.8 kV         Material group (EC 00064-1)       1         Mechanical data   Material data       Coating tocking         Coating tocking       Nickeled         Coating tocking ages to the casting       Material grave (EC 00064-1)         Material grave (EC 00064-1)       1         Mechanical data   Material data       Coating tocking method         Coating tocking ages to the casting       Material grave connection         Material grave connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics [ Climatic       Coating unit of the casting on cable quality         Carlotic taskindard       Din EN 61076 2-101 (M12), DIN EN 61076 2-114 (MB)         Material grave (Corn       Back         Type of Carlification       G30         Cable Type       3         Jacket Color       black         Type of Carlificatio </td <td>Operating voltage DC max. (UL-listed)</td> <td>30 V</td>	Operating voltage DC max. (UL-listed)	30 V
Diagnostics         Status indication LED       green, yellow         Device protection   Electrical         Additional condition protection degree       isserted, screwed         Pathet argung (EC 60664-1)       1         Machanical data   Material data       0.8 kV         Material groug (EC 60664-1)       1         Machanical data   Material data       Conting (EC 60664-1)         Conting (EC 60664-1)       1         Material group (EC 60664-1)       1         Machanical data   Material data       Conting (EC 60664-1)         Conting (EC 60664-1)       1         Material group (EC 60664-1)       2         Material	Current operating per contact max.	4 A
Status Indication LED   green, yellow     Device protection [Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material grant (EC 6064-1)   1     Image: Stream St	Current consumption max.	5 mA
Device protection   Electrical         Addition condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (EC 60684-1)       1         Mechanical data   Material data	Diagnostics	
Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0.8 kV         Material group (EC 60684-1)       1         Mechanical data   Material data	Status indication LED	green, yellow
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   1     Voltage     Coating of tiling   nickel plated     Coating of tiling   nickel plated     Material group (IEC 60664-1)   2 Inc dio casting     Material gasket   FKM     Locking material   2 Inc dio casting     Material gasket   FKM     Locking material   2 Inc dio casting     Material screw connection   Ince dic casting     Material screw connection   Ince dic casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics [Climatic   Coperating temperature min.     Operating temperature min.   - 25 °C °C     Operating temperature min.   - 25 °C     Cottom   Back     Type Color   Black	Device protection   Electrical	
Polkulon Degree   3     Rated surge voltage   0.8 kV     Material group (EC 60664-1)   1     Mechanical data [Materia] data   Inckel plated     Coating locking   Nickeled     Coating of filing   nickel plated     Material gasket   FKM     Locking material   Zinc die-casting     Material gasket   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Contornity   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable   Cable function     Cable function   630     Cable function   630     Cable function   Back     Type of Carriticate   CURus     Anount stranding   1     Stranding   3 wires twisted     wire arragement   brown, black, blue     No. of berading cyokeige (C-track)   10 MIA.@ 25 °C		inserted screwed
Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking     Nickeled   Coating locking     Coating locking   Nickeled     Coating locking   Nickeled     Coating locking   Nickeled     Material gasket   FKM     Locking material   Zine die casting     Material screw connection   Zine die casting     Material screw connection   Zine die casting     Material screw connection   Zine die casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature min.   -25 °C     Operating temperature max   85 °C     Additional condition temperature range   depending on cable quality     Conomity   Product standard     Din EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Gab     Cable identification   630     Cable identification   6		
Material group (IEC 60664-1)       I         Mechanical data   Material data       Coating of lifting         Coating of lifting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Mechanical data   Mounting data       Material screw connection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature min.       -25 °C         Operating temperature range       depending on cable quality         Contormity       Product standard         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       Cable identification         Cable identification       630		
Mechanical data   Material data         Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Meterial screw connection       Zinc die-casting         Meterial screw connection       Zinc die-casting         Mounting method       inserted, screwed. Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         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         Gable Identification       630         Cable Identification       630         Cable Identification       630         Cable Identification       630         Cable Identificate       cURus         Arrount stranding       1         Stranding       3         View arrangement       brown, black.         Now of bending cycles (C-track)       10 Mio. @ 25 °C         Cable veigth       26.4 g/m         Material jacket		
Coating locking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Mechnical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.         AB °C       Additional condition temperature range         depending on cable quality       Contomity         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       Cable identification         Cable identification       630         Cable identificate       CJRus		
Coating of litting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.       85 °C         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 Type       3         Cable Type       3       Jacket Color         black       Type of Certificate       cURus         Amount stranding       1       Stranding         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       90 ± 5 Shore A         Freedom from ingreedients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         O		Nickolod
Material gasket     FKM       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Commental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature may.     85 °C       Conformity     Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification     630       Cable identification     630     Cable identification       Gable identification     630     Cable identification       Type of Certificate     cURus     Annount stranding     1       Stranding     1     Stranding     1       Stranding		
Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data [Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition temperature may.     65 °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     630     Cable range     Cable range       Color     black     Type 0 G Certificate     CURus       Amount stranding     1     Stranding     Stranding       Stranding     3 wires twisted     Wire arrangement     brown, black, blue       No. of bending cycles (C-track)     10 Min. @ 25 °C     Cable wight     26,4 g/m       Material jacket     PUR     Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     1,4 mm     Tolerance outer diameter (jacket)     4,1 mm       Tolerance outer diameter (sheath)     4,5 %     Material wire insulation     PP       Amount twires     3		· ·
Material screw connection     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 range     depending on cable quality       Conformity     Product standard       Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     630       Cable IColor     black       Type of Cartificate     cURus       Amount stranding     1       Stranding     3 wires twisted       Wire arrangement     brown, black, blue       No. of bending cycles (C-track)     10 Nio. @ 25 °C       Cable weigth     26.4 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)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP		
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 range       depending on cable quality         Conformity          Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable          Cable identification       630         Cable Type       3         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       3 wires twisted         No. of bending cycles (C-track)       10 Mic. @ 25 °C         Cable weigth       26,4 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)       4,1 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire 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)         Instalation   Cable       Cable identification       630         Cable Type       3       Jacket Color       black         Type of Certificate       cURus       CuRus       CuRus         Amount stranding       1       Stranding       3 vires 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         Strending tacket       PUR       Store A       Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       4.1 mm       Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP       Amount wires       3		
Environmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification630Cable identification630Cable OrblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26.4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4.1 mmTolerance outer diameter (sheath)± 5 %Material wire insulation93Amount wires3		inserted exerved Chaling protection
Operating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification630Cable identification630Cable OrblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26.4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)teal-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4.1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3		
Operating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification630Cable identification630Cable I Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4.1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3		
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       Gable Type       Jacket Color       black       Type of Certificate       cURus       Amount stranding       1       Stranding       vire arrangement       brown, black, blue       No. of bending cycles (C-track)       10 Nio.@ 25 °C       Cable weigth       Shore hardness jacket       PUR       Shore hardness jacket       PUR       Shore hardness jacket       Put       Freedom from ingredients (jacket)       Iead-free, cadmium-free, CFC-free, halogen-free       Outer-diameter (jacket)       Freedom from ingredients (jacket)       At 1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3		
ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPPAmount wires3		
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Additional condition temperature range	depending on cable quality
Installation   CableCable identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Conformity	
Cable identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Installation   Cable	
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 jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Cable identification	630
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Cable Type	3
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Jacket Color	black
Stranding3 wires twistedwire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Type of Certificate	cURus
wire arrangementbrown, black, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Amount stranding	1
No. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Stranding	3 wires twisted
Cable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	-	
Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3		
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3		
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free       Outer-diameter (jacket)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3	Material jacket	
Outer-diameter (jacket)   4,1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation   PP     Amount wires   3	Outer-diameter (jacket)	4,1 mm
Amount wires 3	Tolerance outer diameter (sheath)	
	Material wire insulation	
Outer diameter insulation 1,25 mm		
	Outer diameter insulation	1,25 mm

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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
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)	10 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	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m

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