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

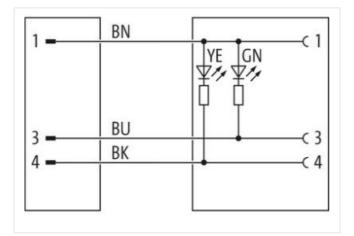
PUR 3x0.25 ye UL/CSA+robot+drag ch. 2m

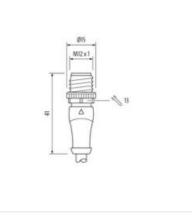
Male straight – female 90° Zinc die casting, save-cover coated M12 – M8, 3-pole LED (yellow/green) Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths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

## Link to Product









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Product may differ from Image



Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311

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ETMA-0     E000485       outors tariff number     5544520       OTN     40483715814       Packaging unkt     1       Electrical data Suppy     Electrical data Suppy       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     5 NA       Description voltage Context     5 NA       Description vo	ECLASS-12.0	27060311
GTM     4048979169814       Packaging unit     1       Devicing voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Central packaging avalage DC max.     30 V       Central posting voltage DC max.     30 V       Central posting package CC max.     4 A       Current operating package context max.     4 A       Current operating package context max.     5 mA       Device protection L Excitned     green, yellow       Device protection L Excitned     green, yellow       Additional conduct protection degree     s       Cataling of timp     nicetral, screwed       Polution Degree     s       Cataling difting     nicetral, decalling       Material group (EXC BOBE-1)     I       Material group (EXC BOBE-1) <td>ETIM-5.0</td> <td>EC001855</td>	ETIM-5.0	EC001855
Packaging unit     1       Electrical data [Supply     Image: Comparing voltage DC       Operating voltage DC max.     SN V       Corrent consumption max.     S mA       Diagnostics     Sm A       Diagnostics     green, yollow       Device protection [Electrical     green, yollow       Packaton Degree     3       Rated surge voltage DC max.     S max degreen degre	customs tariff number	85444290
Electrical data   Supply       Operating voltage DC om.     24 V       Operating voltage DC om.     30 V       Operating voltage DC om.     30 V       Control operating voltage DC om.     5 NA       Description voltage DC ons.     4 A       Current operating per contract max.     5 mA       Diagnostics     small       Statis indication LED     geen, velow       Device protection   Electrical     served       Additional condition protection degree     inserted, served       Natural group (EC 000641)     1       Mechanical data   Material data     Cadion glocking       Cading Josking     side-cover coated       Material gasket     FKM       Loking protection     Ize die-casting       Material gasket     FKM       Cading Jospitar min.     25 °C       Operating Imperature max.     86 °C       Additional conditinet momex.     85 °C	GTIN	4048879159814
Operating voltage DC24 VOperating voltage DC max.30 VOperating voltage DC max.30 VOperating voltage DC max.4 ACurrent operating voltage DC max.5 mADigoraticsserverStake indication LDDgroon, voltowDevice protection I Electricalgroon, voltowDevice protection I ElectricalserverAdditional condition protection degreeinserted, screwedPublish Degree3Rated surge voltage0.8 kVMetrial group (IEC 60664-1)iHechnaic dolt I Metrial datainserted, screwedPolishin Degree3Rated surge voltage0.8 kVMetrial group (IEC 60664-1)iMetrial group (IEC 60664-1)iCosting of fringnickel alseredMetrial group (IEC 60664-1)iCosting of fringnickel alseredMetrial group (IEC 60664-1)iRetrad group (IEC 60664-1)iMetrial group (IEC 60664-1)iRetrad group (IEC 60664-1)iMetrial group (IEC 60664-1)iRetrad group (IEC 6066	Packaging unit	1
Operating voltage DC max.     19 V       Operating voltage DC max.     00 V       Corrent operating par contact max.     4 A       Corrent operating par contact max.     5 mA       Diagnostics     Status indication LED     green, yellow       Device protection   Electrical     Additional condition protection degree     isserted, sorewed       Poliation protection degree     3     Read surge voltage     3       Read surge voltage     0.8 kV     Method protection degree     3       Read surge voltage     0.8 kV     Method protection degree     3       Read surge voltage     0.8 kV     Method protection degree     3       Coating locking     sele-cover coated     Coating locking     Coating locking       Coating locking     indext plated     Method passet     FKM       Coating locking data     Zinc die-caating     Method passet     Everonmental characteristics   Climatic       Method passet     FKM     Coating in glasset     Everonmental characteristics   Climatic       Conormity     Product atond conting on cable quality     Coormity     Everonmental characteristics   Climatic     Siton Coording on cable quality	Electrical data   Supply	
Operating voltage DC max.     19 V       Operating voltage DC max.     00 V       Corrent operating par contact max.     4 A       Corrent operating par contact max.     5 mA       Diagnostics     Status indication LED     green, yellow       Device protection   Electrical     Additional condition protection degree     isserted, sorewed       Poliation protection degree     3     Read surge voltage     3       Read surge voltage     0.8 kV     Method protection degree     3       Read surge voltage     0.8 kV     Method protection degree     3       Read surge voltage     0.8 kV     Method protection degree     3       Coating locking     sele-cover coated     Coating locking     Coating locking       Coating locking     indext plated     Method passet     FKM       Coating locking data     Zinc die-caating     Method passet     Everonmental characteristics   Climatic       Method passet     FKM     Coating in glasset     Everonmental characteristics   Climatic       Conormity     Product atond conting on cable quality     Coormity     Everonmental characteristics   Climatic     Siton Coording on cable quality	Operating voltage DC	24 V
Operating voltage DC max.     30 V       Operating voltage DC max. (UL-field)     30 V       Current operating par contact max.     5 mA       Diagnostics     SimA       Diagnostics     Generation consumption max.     5 mA       Device protection   Electrics!     Generation protection degree     3       Additional condition protection degree     0.8 kV     Material group (EC 60664-1)     1       Material group (EC 60664-1)     1     Mechanical data (Ilakerial data)     Generating consultation consultation protection data       Costing toxhing     matcherial group (EC 60664-1)     1     Generating consultation consultation (Calification Consultation Consultation Consultation (Calification Consultation Consultation Consultation Consultation (Calification Consultation Consultation Consultation Consultation Consultation Consultation Consultation Consultation Consultation (Calification Consultation		
Operating voltage DC max. (UL-listed)     30 V       Current consumption max.     5 mA       Diagnostics     green, yallow       Device protection   Electrical     green, yallow       Device protection protection degree     inserted, sorewed       Polition protection degree     3       Rated surge voltage     0.8 kV       Maderial group (ECe 80664-1)     1       Mechanical data   Material data     Constinue (ECe 80664-1)       Conting locking     safe-cover coated       Coating of fitting     nickel plated       Material group (ECE 80664-1)     1       Mechanical data   Material data     Zinc de-casting       Material screw connection     Zinc de-casting       Material screw connection     Zinc de-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Clinatics     Generating on cable quality       Contornity     45 °C       Operating temperature min.     45 °C       Operating temperature min.     65 °C       Contornity     Generating on cable quality       Contornity     Bine and screwed		
Current consumption max.     5 mA       Diagnostics     Status indication LED     green, yellow       Device protection   Electrical     Additional condition protection degree     inserted, screwed       Additional condition protection degree     0.8 kV     Material group (EC 60664-1)       Metrial group (EC 60664-1)     1     Inserted, screwed       Costing fooking     safe-cover costed     Costing fooking       Costing fooking     safe-cover costed     Costing fooking       Material group (EC 60664-1)     1     Inserted, screwed, Shaking protection       Material group (EC 60664-1)     1     Inserted, Screwed, Shaking protection       Material screw construct     Zinc dia-casting     Material screw construct       Material screw construct     Zinc dia-casting     Material screw construct       Material screw construct     Zinc dia-casting     Material screw construct       Material screw construct max.     85 °C     Coctomation       Operating temperature max.     85 °C     Coctomation       Oble identification     050     Coctomation       Casting Type of Cartification     050     Coctomation       Davies Koland		30 V
Diagoostics       Status indication LED     green, yellow       Device protection   Electrical       Additional condition protection degree     3       Rated surge voltage     0,8 kV       Material group (IEC 06064-1)     1       Mechanical datal [Material data     mickel plated       Material group (IEC 06064-1)     1       Mechanical data [Material data     mickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material gasket     FKM       Locking material     Direction Lincertectrial Common Comm		4 A
Statis indication LED     green, yellow       Device protection   Electrical     inserted, screwed       Additional condition protection degree     isserted, screwed       Polluton Degree     3       Bated surge vultage     0.8 kV       Material group (EC 60664-1)     1       Mechanical data   Material data     Material group (EC 60664-1)       Mechanical data   Material data     Safe-cover ocated       Coating loking     safe-cover ocated       Coating of fitting     nickla plated       Material gastek     FMM       Locking material     Zinc die-casting       Material gastek     FMM       Locking material     Sinc die-casting       Material gastek     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     depending on cable quality       Coerting temperature min.     -25 °C       Coerting temperature max.     87 °C       Additional condition temperature may.     depending on cable quality       Coerting temperature max.     87 °C       Cable identification     050	Current consumption max.	5 mA
Device protection [Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Sale-cover coated       Coating of fiting     nickel plated       Material group (IEC 60664-1)     I       Mechanical data   Material data     Sale-cover coated       Coating of fiting     nickel plated       Material grower connection     Zin cel-casting       Material serve connection     Zin cel-casting       Material grower contextor     Zin cel-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     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       Contornity     Dit N to 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     900 N       Salexet Cofor     900 N       Type of Cori	Diagnostics	
Device protection [Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Sale-cover coated       Coating of fiting     nickel plated       Material group (IEC 60664-1)     I       Mechanical data   Material data     Sale-cover coated       Coating of fiting     nickel plated       Material grower connection     Zin cel-casting       Material serve connection     Zin cel-casting       Material grower contextor     Zin cel-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     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       Contornity     Dit N to 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     900 N       Salexet Cofor     900 N       Type of Cori	-	green, yellow
Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 0.8 kV   Material group (E 60664-1) 1   Mechanical data   Material data    Coating of fiting nicker pland   Material group (E 60664-1) 1   Mechanical data   Material data    Coating of fiting nicker pland   Material gasket FKM   Locking material Zinc die-casting   Material serve connection Zinc die-casting   Material directificies   Climatic Concerve   Operating temperature max. 85 °C   Additional condition temperature may. 85 °C   Contomity Product standard   Diverse of the fore 2-101 (M12), DIN EN 61076-2-114 (M8)   Installation   Cable Since 100 Mice 2.85 °C   Cable identification 050   Cable identifica		
Politation Degree     3       Rated surge voltage     0,8 kV       Metherial Group (IEC 60664-1)     1       Mechanical dital [Material data     Incolor (IEC 60664-1)       Coating locking     safe-cover coated       Coating of fitting     nickel plated       Material gastent     FKM       Locking material     Zinc die-casting       Material gastent     TKM       Material screw connection     Zinc die-casting       Contomity     Contomity       Operating temperature main.	•	inserted, screwed
Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     I       Mechanical data [Material dat     Coating locking     safe-cover coated       Coating locking     safe-cover coated     Coating locking     safe-cover coated       Coating locking     safe-cover coated     Coating locking     safe-cover coated       Coating locking     ricket plated     Material screw connection     Zinc die-casting       Material screw connection     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     Contomity       Product standard     DIN EN 61076-2-111 (M12), DIN EN 61076-2-114 (M8)     Installation [Cable Cable Genification     650       Cable dentification     050     Cable dentification     5     Jacket Color     yellow       Type of Cartification     050     Cable dentification     050     Cable dentification     Stranding     1 bives data     Jacket	i	
Material group (IEC 60664-1)     I       Mechanical data   Material data        Coating of lifting     nickel plated       Material gasket     FKM       Locking material     Zinc die-casting       Material gasket     FKM       Mechanical data   Mounting data     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     050       Cable identification     050		
Mechanical data   Material data       Coating locking     safe-cover coated       Coating of fitting     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     Coerting temperature min.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     050       Ca		-
Coating locking     safe-cover coated       Coating of fitting     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     Coperating temperature main.       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Conformity     Environmental protection       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable frop       Cable frop     5       Jacket Color     yellow       Type of Corrificate     CURus       Anount stranding     1       No. of bending cycles (C-track)     10 Mio. @25 °C       Cable weight     26,4 g/m       Material jacket     PUR       Shore hardness jacket     58		
Coating of fitting     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 may.     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 dentification     050       Cable Type     5     Sacket Color       Type of Certificate     cURus     Amount stranding       Amount stranding     1     Stranding       Stranding     3 wires twisted     wire arrangement       No. of bending cycles (C-track)     10 Mio. @ 25 °C     Cable weight       Shore hardness jacket     58 ± 3 Shore D     Shore hardness jacket     58 ± 3 Shore D       Freedom from ingreedients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free     Cuter-diameter (jakeat)) <t< td=""><td></td><td>cofe cover costed</td></t<>		cofe cover costed
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     Concentration       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Environmental characteristics   Climatic       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     050       Cable VER     URUS		
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 identification     050     Cable Type     5       Jacket Color     yellow     Yellow     Type of Certificate       Virge arrangement     brown, black, blue     No. of bending cycles (C-track)     10 Ni. @ 25 °C       Cable weight     26,4 g/m     Material jacket     PUR       Store 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 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 61076-2-114 (M8)     Installation   Cable       Cable identification     050     Cable identification     050       Cable Vope     5     Jacket Color     yellow       Type of Certificate     culRus     Amount stranding     1       Stranding     3 wires twisted     Wire arrangement     brown, black, blue       No. of bending cycles (C-track)     10 Mio. @ 25 °C     Cable w		
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       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     050     Cable Type     5       Jacket Color     yellow     Yellow     Yellow       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     Store hardness jacket     5 % ± 3 Shore D       Freedom from ingradients (jacket)     Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)     4,3 mm       Outer-diameter (jacket)     4,3 mm     Tolerance outer diameter (sheath)     ± 5 %     Material wire insulation		-
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     050       Cable Type     5       Jacket Color     yellow       Type of Certificate     cURus       Armount stranding     1       Stranding     sories twisted       wire arragement     brown, black, blue       No. of bending cycles (C-track)     10 Mic. @ 25 °C       Cable weigth     26,4 g/m       Material jacket     PUR       Shore Darming jacket     5 ± 3 Shore D       Free dom from ingredients (jacket)     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount		
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 identification050Cable Identification050Cable IdentificatecURusAmount 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 cuter diameter (sheath)± 5 %Material wire insulationPPAmount wires3	·	
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 identification050Cable identification050Cable I Type5Jacket ColoryellowType 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 mmMaterial wire insulationPPAmount wires3		
Additional condition temperature max.85 °CAdditional condition temperature max.85 °CAdditional condition temperature may.depending on cable qualityConformityInstallation   CableProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identificationCable identification050Cable Jope5Jacket ColoryellowType 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 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	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   050     Cable identification   050     Cable Type   5     Jacket Color   yellow     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	Operating temperature min.	-25 °C
ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification050Cable Type5Jacket ColoryellowType 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 wires3	Operating temperature max.	85 °C
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification050Cable Type5Jacket ColoryellowType 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 wire insulationPPAmount wires3	Additional condition temperature range	depending on cable quality
Installation   Cable     Cable identification   050     Cable Type   5     Jacket Color   yellow     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	Conformity	
Cable identification050Cable Type5Jacket ColoryelowType 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 wires3	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type5Jacket ColoryellowType 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 wires3	Installation   Cable	
Jacket ColoryellowType 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 wires3	Cable identification	050
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 wires3	Cable Type	5
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 wires3	Jacket Color	yellow
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 wires3		-
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 wires3		1
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 wires3	Stranding	3 wires twisted
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 wires3	wire arrangement	brown, black, blue
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	No. of bending cycles (C-track)	10 Mio. @ 25 °C
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	Cable weigth	26,4 g/m
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	Material jacket	
Outer-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3	Shore hardness jacket	58 ± 3 Shore D
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)	4,3 mm
Amount wires 3	Tolerance outer diameter (sheath)	±5%
	Material wire insulation	PP
Outer diameter insulation 1,25 mm	Amount wires	3
	Outer diameter insulation	1,25 mm

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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
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	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
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	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

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