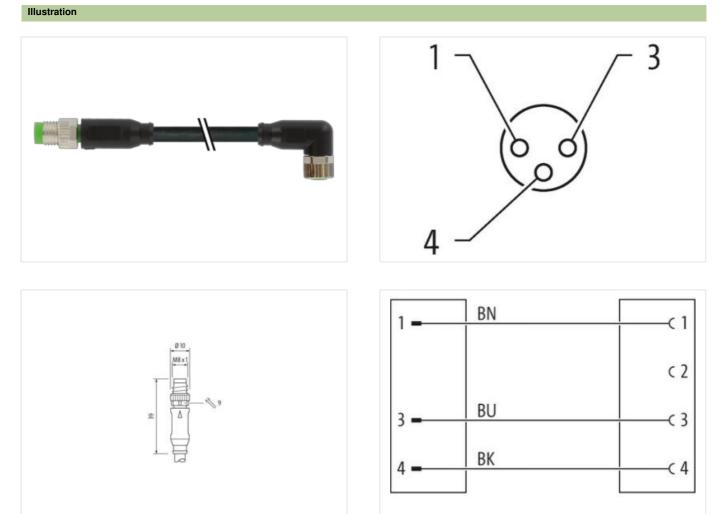


## M8 male 0° / M8 female 90° A-cod.

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

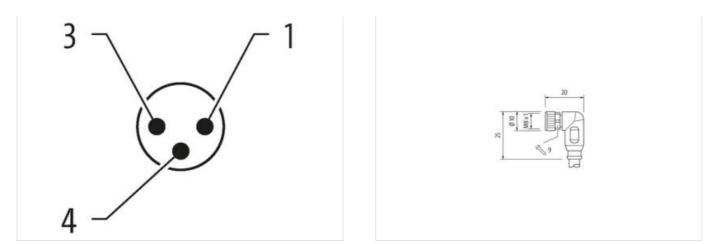
Male straight – female 90° Zinc die casting, save-cover coated M8 – M8, 3-pole Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19





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
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
Material contact	Copper alloy
No. of poles	3
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
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879128490
Packaging unit	1
Electrical data   Supply	

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Operating voltage DC max.     60 V       Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Diagnostics     4 A       Diagnostics     mo       Device protection [Ectrical     mo       Device protection [EN IEC 60529)     IP65, IP67, IP68, IP66K       Additional condition protection degree     inserted, screwed       Polution Dagree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data [ Material data     Cover coated       Coating locking     sale-cover coated       Material group (IEC 60664-1)     1       Mechanical data [ Material data     FKM       Material gasket     FKM       Material gasket     Inc die-casting       Mechanical data [ Mounting data     Vince       Mounting method     inserted, screwed. Shaking protection       Environmental characteristics   Climatic     25 °C       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operat		50.1/
Operating voltage AC (UL-listed)     30 V       Operating voltage AC (UL-listed)     30 V       Diagnositis     30 V       Diagnositis     4 A       Diagnositis     5       Status indication LED     no       Device protection (Flettical     6       Device protection (Flettical     6       Obtige AC (UL-listed)     18       Operating voltage AC (UL-listed)     18       Material provide)     18	Operating voltage AC max.	50 V
Operating per contact max.     4 A       Digmotics     Bits       Status indication LED     no       Divice protection [Electrical     Divice protection [Electrical       Divice protection [Electrical     Status indication beginse       Divice protection [Electrical     Status indication beginse       Divice protection [Electrical     Status indication beginse       Division Degree     3       Related surge voltage     1, 5kV       Material acuto indication beginse     Status indication beginse       Division Degree     Status indication beginse       Material acutor indication beginse     PUR       Division Degree indication beginse     Bits indication beginse       Material acutor indication beginse     Status indication beginse       Diversition Degree indication beginse     Status indication beginse       Material acuto indication beginse     Bits indication beginse       Diversition Bits indication beginse     Bits indication beginse		
Durrent operating per centael max.     4 A       Disposition     Instruct indexion LED     no       Disposition LED     no     Instruct indexion LED     Instruct indexion LED       Darge of protection (Ell EC 60529)     IP65, IP67, IP68, IP66K     Instruct indexion account on protection degreen     Instruct indexion account on protection indexion account on protection     Instruct indexion account on protection degreen     Instruct indexion account on protection account on p		
DignosticsStatus indication LEDnoDevice protocition (EN IC 0052)IP65, IP67, IP68, IP66KAdditional condition protection degreeinsernet, screwadDevice protocition (EN IC 0052)IP55, IP67, IP68, IP66KAdditional condition protection degreeinsernet, screwadRatad surge voltage1.5 KVMaterial group (IC 06064-1)1.0Material group (IC 06064-1)insernet, screwadMaterial group (IC 06064-1)insernet, screwadMaterial group (IC 06064-1)insernet, screwadMaterial group (IC 06064-1)insernet, screwad, Shaking protocitonMaterial group (IC 06064-1)insernet, screwad, Shaking protocitonMaterial group (IC 06064-1)insernet, screwad, Shaking protocitonMaterial group (IC 06064-1)insernet, screwad, Shaking protocitonEnvironmental characteristics   Climatiinsernet, screwad, Shaking protocitonUnorting temperature man.28°COperating temperature man.28°CNote on star (IFS)Insernet, screwad, Shaking protociton (IFS)Unorting temperature man.28°COperating temperature man.28°COperating temperature man.28°COperating temperature man.28°COperating temperature man.28°COperating temperature man.28°C <td></td> <td></td>		
Statis     Incident IEB       Device protection (IEBC 6082)     IP65 (PF3, IP68, IP66K       Additional condition protection 60820)     IP67, IP68, IP66K       Additional condition protection 60820     IR64 Res 00820       Material group (IEC 60864-1)     I       Statis and water voltages     640 cover coaled       Material group (IEC 60864-1)     I       Material group (IEC 60864-1)     I       Statis and water voltages     PAA       Material group (IEC 60864-1)     Incide-cetating       Material group (IEC 60864-1)     Set 60-0       Material group (IEC 60864-1)     Alter 6007       Material group (IEC 60864-1)     Set 60-0  <		4 A
Device protection   Electrical     PPS, IPS, IPS, IPS, IPS, IPS, IPS, IPS,	Diagnostics	
Pegre of protection (EN IEC 60529)     P65, IP67, IP68, IP66K     Material condition protection degree     insartod, screwed     Additional condition protection degree     insartod, screwed     Ataeva     additional condition protection degree     insartod, screwed     Material group (EC 6068-1)     I      Coding locking     adde cover coated     Material group     Screwed	Status indication LED	no
Additional condition protection degree     inserted, screwed       Pailution Degree     3       Additional condition protection degree     1.5 kV       Material group (IEC 60664-1)     I       Mechanical data (Material data)	Device protection   Electrical	
Pailulan Degree     3       Rated surge voltage     1,5 kV       Material group (IC 60684-1)     I       Mechanical data   Material data     Safe-cover coated       Material position     safe-cover coated       Material position     PUR       Cooking material     Zinc die-casting       Mechanical data   Mounting data     Material nousing       Mechanical data   Mounting data     Zinc die-casting       Mechanical data   Mounting data     Operating temperature max.       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature max.       Operating temperature max.     85 °C -       Opperating temperature max.     85 °C -       Opticating realises on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Rated surge voltage     1,5 kV       Material group (EC 60664-1)     I       Mechanical data [Material data     Safe-cover coated       Material gasket     FKM       Valerial gasket     FKM       Cocking material     Zin die-casting       Mechanical data [Mounting data     Incele-casting       Mechanical data [Mounting data     Incele-casting       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Operating temperature min.       Operating temperature max.     85 °C       Operating temperature max.     85 °C       Valot on strain reliel     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive bending roces.       Conformity     Environ:       Product standard     DIN EN 61076-2-114 (MB)       Installation (Cable     Gale data (Gale Cable)       Cable data (Fide     GLBus       Arrow Disk, blue     Gale data (Gale Cable)       Disk for a campagement     Book (Cable Cable)       Installation (Cable)     Gale Ke (Ga	Additional condition protection degree	inserted, screwed
Material group (IEC 80884-1)     I       Mechanical data     Image: Control of the second o	Pollution Degree	3
Mechanical data   Material data       Casiling looking     safe-cover coated       Material qasket     FKM       Material qasket     FKM       Material nousing     PUR       Looking material     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Inserted, screwed, Shaking protection       Operating temperature man.     85 °C       Operating temperature ranse     85 °C       Additional condition temperature mas.     85 °C       Note on strain relief     Protect the connactors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Arteriton: Observe the permissible bending radi when laying cables, as the IP protection class can be ending radius     Arteriton: Observe the permissible bending radi when laying cables, as the IP protection class can be ending radius       Din En \$1076-2:114 (M8)     Installation oles     Endicettion Class can be ending radius       Expected     SDE Conternity     Sole       Product standard     Din En \$1076-2:114 (M8)       Installation I Cable     Sole       Standing     3 wires twisted       use arrangement     Diore, black	Rated surge voltage	1,5 kV
Coating looking     safe-over coated       Material gasket     FKM       Material gasket     FKM       Material gasket     FKM       Cocking material     Zinc die-casting       Material housing     PUR       Cocking material     Zinc die-casting       Material gasket     Inserted, screwed, Shaking protection       Environental characteristics [Climatic     Deparing temperature max.       26 °C     Opperating temperature max.       26 °C     Departure temperature max.       26 °C     Departure temperature max.       26 °C     Depart	Material group (IEC 60664-1)	I
Material gasket     FKM       Waterial nousing     PUR       Locking material     Zinc die-casting       Mechanical data   Mounting data     Mechanical data   Mounting data       Mochanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Doperating temperature min.       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Additional condition temperature max.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Eable identification     650       Cable Type     5     Sacadexi Colon       Dalack     Color     black       Type of Cartificate     cUPus     Sarred max       Marenal jackt     PUR     Store hardness jackat     58 ± 3 Shore D       Cared weigh	Mechanical data   Material data	
Waterial housing     PUR       Locking material     Zinc die-casting       Mechanical data   Mounting material     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     inserted, screwed, Shaking protection       Dyperating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature mane     depending on cable quality       Important installation notes     Important installation notes       Note on strain rollef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endagered by excessive bending forces.       Colormity     Endedition of 650       Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Eduit of Color       Dataker Color     black       Type of Color     black       Standing     1       Standing     1       Standing     1       Standing     4 g/m       Mount strainfield     PUR       Standing     3 wires twistad       wire arrangement	Coating locking	safe-cover coated
Waterial housing     PUR       Locking material     Zinc die-casting       Mechanical data   Mounting material     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     inserted, screwed, Shaking protection       Dyperating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature mane     depending on cable quality       Important installation notes     Important installation notes       Note on strain rollef     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endagered by excessive bending forces.       Colormity     Endedition of 650       Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Eduit of Color       Dataker Color     black       Type of Color     black       Standing     1       Standing     1       Standing     1       Standing     4 g/m       Mount strainfield     PUR       Standing     3 wires twistad       wire arrangement	Material gasket	FKM
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Depreting temperature min.     -25 °C       Opperating temperature max.     85 °C     Additional condition temperature may.     depending on cable quality       Important installation notes     Mounting making on cable quality     Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Conformity     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Color Standard     DIN EN 61076-2-114 (M8)       Installation   Cable     S       Cable Identification     650       Cable Identification     650       Cable Identification     650       Cable Identification     650       Cable Identification     1       Stranding     1       Stranding     1       Stranding     1       Stranding     1       Stranding     3 wires twisted       Attention: Distable, blue     Cable weight	Material housing	PUR
Muniting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic        Diperating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes        Vice on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endered by excessive bending forces.       Conformity     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable        Cable Type     5       Cable identification     650       Cable Type     5       Cable Type     5       Stranding     1       Stranding     1       Stranding     1       Stranding     56.4 g/m       Multerial jacket     PUR       Shore hardens sjacket     58.4 g/m       Cable weigh	Locking material	Zinc die-casting
Environmental characteristics   Climatic       Operating temperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Forest of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Foreduct standard       Product standard     DIN EN 61076-2-114 (M8)       Installation [Cable     Eleventitication       Cable Type     5       Cable Type     5       Cable Type     5       Stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     28.4 g/m       Valeralia Jacket     PUR       Shore bardness jacket     88 ± 3 Shore D       Freedom from ingredients (Jacket)     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Mechanical data   Mounting data	
Environmental characteristics   Climatic       Operating temperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Forest of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Foreduct standard       Product standard     DIN EN 61076-2-114 (M8)       Installation [Cable     Eleventitication       Cable Type     5       Cable Type     5       Cable Type     5       Stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     28.4 g/m       Valeralia Jacket     PUR       Shore bardness jacket     88 ± 3 Shore D       Freedom from ingredients (Jacket)     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification     650       Cable identification     650     Cable identification       Opp of Carlificate     cURus     CuRus       Amount stranding     1     Stranding       Stranding     3 wires twisted     Stranding       Shore hardness jacket     58 ± 3 Shore D     Celleweight       Cable weight     26.4 g/m     Cableweight     26.4 g/m       Cable meter (ming redianter (sheath)     ± 5 %     Stranding     Stranding       Duter-diameter (jacket)     4.3 mm     Concentree     Concentree       Cable weight     26.4 g/m	Environmental characteristics   Climatic	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification     650       Cable identification     650     Cable identification       Opp of Carlificate     cURus     CuRus       Amount stranding     1     Stranding       Stranding     3 wires twisted     Stranding       Shore hardness jacket     58 ± 3 Shore D     Celleweight       Cable weight     26.4 g/m     Cableweight     26.4 g/m       Cable meter (ming redianter (sheath)     ± 5 %     Stranding     Stranding       Duter-diameter (jacket)     4.3 mm     Concentree     Concentree       Cable weight     26.4 g/m	Operating temperature min.	-25 °C
Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Endangered by excessive bending forces.       Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Cable Type       Cable identification     650       Cable Color     black       Type of Corlificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arangement     brown, black, blue       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 insulation     P       Amount stranding     1,25 mn       Duter diameter insulation		
Important installation notes       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     650       Cable identification     650       Cable Identification     650       Cable Identification     650       Cable Identification     650       Cable Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26.4 g/m       Material jacket     PUR       Shore hardness jacket     54.3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount tires     3       Outer diameter (sheath)     ± 5	· · · ·	depending on cable guality
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity     Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Coll     Standard     Standard       Cable identification     650     Coll     Standard     Standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Coll     Standard     Stand	· -	
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Conformity       Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Estimation   Cable       Cable identification     650       Cable Identification     650       Cable Identification     650       Cable Identification     650       Cable Type     5       Jacket Color     black       Type of Cartificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     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)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     1.5 %       Shore hardness wire		Dratast the connectors by suitable measures from mechanical loads is a by the years of cable tice
Conformity     Conformity       Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     650       Cable identification     650       Cable identification     650       Cable identification     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       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       Duter-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter ore insulation     1,25 mm       Outer diameter ore insulation     ± 5 %       Shore hardness wire insulation     74 ± 3 Shore D       Interdiameter freeness wire insulation     164 ± 3 Shore D	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standard     DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification     650       Cable identification     5     Jacket Color     black       Type of Certificate     cURus     Culleus     Culleus       Amount stranding     1     Stranding     3 wires twisted       Stranding     3 wires twisted     Culleus     Culleus       Amount stranding     1     Stranding     Stranding <td< td=""><td>Conformity</td><td></td></td<>	Conformity	
Installation   Cable       Cable identification     650       Cable Type     5       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26,4 g/m       Material jacket     PUR       Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     74 ± 3 Shore D		
Cable identification650Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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 wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulation74 ± 3 Shore DIngredient freeness wire insulation125 mmCouter diameter tolerance core insulation± 5 %Shore hardness wire insulation14 ± 3 Shore DIngredient freeness wire insulation14 ± 3 Shore DIngredient freeness wire insulation125 mmCouter diameter tolerance core insulation± 5 %Shore hardness wire insulation14 ± 3 Shore DIngredient freeness wire insulationIead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, CFC-free, halogen-free, silicone-free	·	
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation74 ± 3 Shore DIngredient freeness wire insulationFee, CFC-free, halogen-free, silicone-free	Cable identification	650
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cCFC-free, CFC-free, halogen-free, silicone-free	Cable Type	
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation74 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
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Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     74 ± 3 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
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Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
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
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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