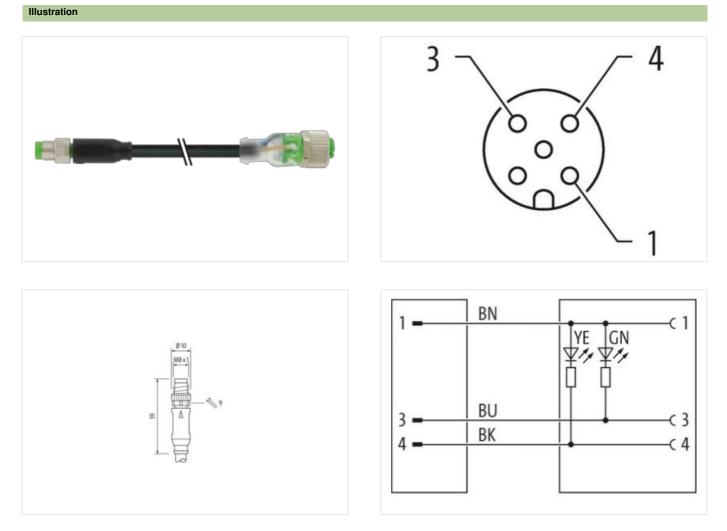


## M8 male 0° / M12 female 0° A-cod. LED

PUR 3x0.25 bk UL/CSA+drag ch. 5m

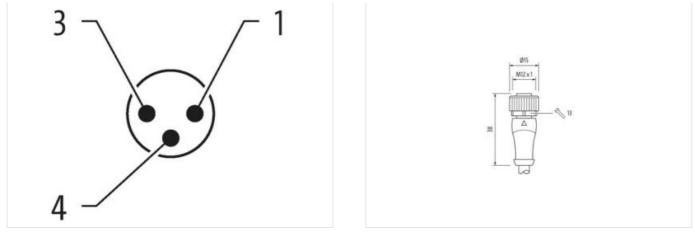
Male straight – female straight M8 – M12, 3-pole 2× LED (PNP), (NPN) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## 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: 2024-05-01





Product may differ from Image



Cable length	5 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
No. of poles	3
Width across flats	SW9
Side 2	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879547796
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V

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: 2024-05-01



Ourrent operating per contact max.     4 A       Displace     grass, vallow       Description LED     grass, vallow       Device protection LED     liPES, IPES, IPES	Operating voltage DC max. (UL-listed)	30 V
Statis indication LEDgreen, yellowDevice protoction (F NE C 60329)IP65, IP67, IP68, IP68, IP67, IP68, IP68, IP67, IP68, IP68, IP67, IP68, IP68, IP67, IP68, IP67, IP68, IP68, IP67, IP		4 A
Statis indication LEDgreen, yellowDevice protoction (F NE C 60329)IP65, IP67, IP68, IP68, IP67, IP68, IP68, IP67, IP68, IP68, IP67, IP68, IP68, IP67, IP68, IP67, IP68, IP68, IP67, IP	Diagnostics	
Device protection   Electrical     Profestion   Protection (EN IEG 60529)     IPR65, IPR7, IPR8, IPR64, IRR64       Sectional condition protection degree     inserted, socreed     Inserted socreed     Insered socreed     Inserted socreed		areen vellow
Degree of protection (EN IEC 60529)     IP65, IP67, IP68, IP66K       Additional condition protection degree     inserted, screwed       Polition Degree     3       Rate straps votage     0.8 kV       Metanier of protection degree     10.8 kV       Metanier of protection degree     10.8 kV       Metanier of total [Material data     Incickal plated       Caching bedree default     mickal plated       Locking nut     mickal screwed. Shaking protection       Evaluation condition tomperature nax.     85 °C       Additional data [memerature nax.     85 °C       Additional data [memerature nax.     85 °C       Additional data [memerature nax.     85 °C       Califor data data     Divers title (Material facial       Califor data data     Bitle 106 °C = 2-101 (M12), DIN EN 61 °C = 2-114 (M8)       Evaluation condition     85 °C       Califor data data     Divec k       Califor data		groon, yonow
Additional condition protection degree     inserted, screwed       Pollution Degree     3       Refact surge voltage     0,8 VV       Material group (EC 60664.1)     1       Mechanical data [Material data     Incital plated       Coding locking mul     nickal plated       Locking nearwo coaling     nickal plated       Material provisition     Brass       Mechanical data [Mounting data     Inserted, screwed, Shaking protection       Mutring method     Inserted, screwed, Shaking protection       Provisiting temporature min.     25 °C       Operating temporature min.     25 °C <	· · ·	
Pollution Degree     3       Rated surge voltage     0.8 kV       Material group (ICCE 06064-1)     1       Mechanical data   Material data     Costing locking unt     nickal plated       Costing locking unt     nickal plated     Costing locking unt     Costing locking unt       Locking nut material     Zino die-casting     Costing locking unt material     Zino die-casting       Locking material screw     Brass     Mechanical data   Mounting data     Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection     Environmetal lockacetristics   Climatic       Contomity     Contomity     Contomity     Contomity       Production I costing     Gold     Costing unterview		
Rated surge voltage     0,8 kV       Material group (IEC 80684-1)     i       Material focking nut     nickel plated       Coating locking nut     nickel plated       Material nusing     PUR       Locking craw coating     Nickel plated       Material nusing     PUR       Locking material screw     Brass       Mechanical dota I Mounting data     Material nusing       Mechanical dota I Mounting data     Src observation       Porting temperature max.     25 °C       Operating temperature max.     25 °C       Contornity     Conton       Total dock tandard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installication (Cable     Cable topel       Total dock toped     Dauk       Toped Cartificato     CURus       Annout stranding     Nicke Ibles <td></td> <td></td>		
Material group (EC 80684-1)     I       Mechanical data ( Material data     Coaling locking nut     nickle plated       Coaling locking nut     nickle plated     Material housing     PUR       Locking metheral locking     PUR     Material housing     PUR       Locking metheral acrow     Brass     Mechanical data ( Mounting data     Material housing     PUR       Mounting method     inserted, screwed, Shaking protection     Extremental characteristics ( Climatic       Coperating temperature nun.     25 °C     Operating temperature nun.     25 °C       Operating temperature nun.     25 °C     Operating temperature nun.     25 °C       Operating temperature nun.     25 °C     Operating temperature nun.     25 °C       Additional dondition temperature nage     depending on cable quality     Conformity     Conformity       Product tandard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Imasiention ( Cable Gabitandi Cable)     Imasientinal Cable)     Imasiention ( Cable)		
Mechanical data   Material data       Coading looking nut     nickel plated       Locking screw coating     nickel plated       Metricial housing     PUR       Locking nut material     Zinc discasting       Metricial coating     Brass       Mechanical data   Mounting data     Incelle-casting       Operating lemperature main.     25 °C       Operating lemperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard       Din Ken 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable       Cable Type     3       Jacket Color     black       Type of Cartificate     CuPuse       Anount stranding     1       Stranding     1       Stranding     9.1 S Shroe A       Cable weigh     2.6 4 µm       Material jacket		0,8 kV
Colling locking nutnickel platedLocking screw cealingnickel platedMatrial housingPURLocking nut materialZinc die-castingLocking nut material screwBrassMechanical data   Mounting datainserted, screwed, Shaking protectionEnvironmental characteristics   ClimaticEnvironmental characteristics   ClimaticEnvironmental characteristics   ClimaticGeneration screwed, Shaking protectionEnvironmental characteristics   ClimaticGeneration screwed, Shaking protectionEnvironmental characteristics   ClimaticGeneration screwed, Shaking protectionEnvironmental characteristics   ClimaticGeneration screwed, Shaking protectionConternityGeneration screwed, Shaking protectionProduct standardBits 100°G-2-114 (M8)Estallation   CableStatilation   CableCable institution   CableGeneration screwed, Statistical Screwed, Sta		1
Locking screw coaling     nickal plated       Material housing     PUR       Locking material screw     Brass       Mechanical data   Mounling data     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Inserted, screwed, Shaking protection       Operating temperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     Begroup on cable quality       Conformity     Interview       Product standard     DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)       Installion   Cable     Cable dentification       Cable identification     630       Cable Type     3       Jacket Color     black       Type of Certificate     cuPus       Amount stranding     1       Stranding     3 wires twisted       Weis arrangement     brown, black, blue       Cable weight     26 4 g/m       Material jacket     PUR       Shore hardness gacket     9 2 5 Shore A       Freedom from ingredients (isoket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (isoket) <td></td> <td></td>		
Material housing     PUR       Locking nut material     Znc die casting       Locking nut material screw     Brass       Mechanical data [Mounting dats     Inserted, screwed, Shaking protection       Environmental characteristics [Climatic     Operating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition temperature mage     depending on cable quality       Contromity     Product standard     DN EN 61076-2-011 (M12), DIN EN 61076-2-114 (M8)     Installation Installation       Cable identification     630     Cable 71/pape     3       Cable identification     630     Cable 71/pape     3       Stranding     1     Stranding     Stranding       Yipe of Cartificate     cURus     Cable 70/pape     3       Stranding     1     Stranding     Stranding       Yine arrangement     brown, black, blue     Cable 70/pape     3       Stranding     1     Stranding     Stranding     Stranding       Stranding     1     Stranding     Stranding     Stranding       Operation temore size (able 41/pape)     1     Stran		
Locking nut material screw     Brass       Mechanical data   Mouning material screw     Brass       Mechanical data   Mouning material screw     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coperating temperature min.     25 °C       Operating temperature man.     25 °C     Commit       Conformity     Brast Screwed, Shaking protection     Environmental characteristics   Climatic       Conformity     Brast Screwed, Shaking protection     Environmental characteristics   Climatics       Cable dentification temperature range     depending on cable quality     Environmental characteristics   Climatics       Cable dentification Cable     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable       Cable Climatics     Galo     Cable Climatics     Cable Climatics       Cable Climatics     Galo     Cable Climatics     Cable Climatics       Cable Clore     URus     Cable Climatics     Cable Climatics       Arount stranding     1     Stranding     Swites twisted       Weite arrangement     brown, black, blue     Cable Climatics     Cable Climatics       Cable aveiting (clickt)     1 East free, cadmium-free, CFC-free, halogen-free		
Locking material screw     Brass       Mechanical dial Mounting data     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Coperating temperature max.     85 °C       Operating temperature max.     85 °C     Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C     Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C     Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C     Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C     Additional condition temperature may.     85 °C       Additional condition temperature may.     85 °C     Additional condition temperature may.     86 °C       Conformity     Fodux standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation (Cable Color     3a       Cable Type     3     Gadeweigt     Gade Color     black       Type of Confrontation     OURus     Anount stranding     1     Stranding     Stranding     Gadeweigt     92 ± 5 Shore A       Freedom from ingredients (gadet) <td></td> <td></td>		
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protoction       Environmental characteristics   Climatic	-	Zinc die-casting
Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     depending on cable quality       Conormity     Environmental characteristics       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable right       Cable right     630       Cable right     630       Cable right     630       Cable right     640       Anount stranding     1       Material jacket     90 ± 5 Shore A       Freedom trion ingredient is (jacket)<	Locking material screw	Brass
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 identification     630     Cable identification       Jacket Color     black     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification     630       Cable identification     630     Cable identification       Jacket Color     black     DIN EN 61076-2-114 (M8)       Type of Certificate     cURus     Amount stranding       Vie of Certificate     cURus     Amount stranding       Vie of Certificate     cURus     Amount stranding       Vie arrangement     brown, black, blue     Cable weigth       Cable weigth     26.4 g/m     Material jacket     PUR       Shore hardness jacket     PUR     Shore hardness     Gable       Coldranetier (isaketi)     ± 5 %     Shore har	Mechanical data   Mounting data	
Operating temperature min25 °COperating temperature max. $65 °G$ Additional condition temperature max. $65 °G$ Additional condition temperature max. $65 °G$ ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M6)Installation   Cable630Cable identification $630$ Cable identification $00$ Type of Cartificate $0URus$ Amount stranding1Stranding $1$ Stranding $3$ wires twistedwire arrangementbrown, black, blueCable weigth $26.4$ g/mMaterial is jacketPURStore APrecedom from ingredients (jacket)Idearder ex cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket) $4.1$ mmTolerance outer diameter (sheath) $5 ~S_6$ Material Wire insulation $1.25 mm$ Outer diameter insulation $1.25 mm$ Outer diameter insulation $1.25 mm^2$ Ingredient fiseness wire insulation $1.25 mm^2$ Ingredient fiseness wire insulation $1.25 mm^2$ Ingredient fis	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conomity     INI EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable Identification       Cable Identification     630       Cable Identification     01V       Macrint I protein     1       Stranding     1       Stranding     3       Vires arrangement     brown, black, blue       Cable weight     26.6 g/m       Material jockt     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     1,1 mm       Toleracco cuter (ameter (sheath)     1 5 %       Material wire insulation     PP       Amount Wres     3 <td>Environmental characteristics   Climatic</td> <td></td>	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   630     Cable identification   630   Cable identification     Cable Type   3   Jacket Color     black   CURus   Amount stranding   1     Stranding   3 wires twisted   wire arrangement   brown, black, blue     Cable weigth   26,4 g/m   Cable devices   Querchameter (acket)   PUR     Shore hardness jacket   PUR   PUR   Purechameter (acket)   ed-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     Outer diameter insulation   1,25 mm   Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D   Ingredient free-mess wire insulation   1 ± 5 %     Shore hardness wire insulation   1 ± 5 %   Shore D   Ingredient free-mess wire insulation   1 ± 5 %     Shore hardness wire insulation   1	Operating temperature min.	-25 ℃
Conformity     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification     630       Cable identification     630     Cable identification     630       Cable identification     630     Cable identification     630       Jacket Color     black     Cable identification     630       Type of Certificate     cuRus     CuRus     CuRus       Amount stranding     1     Stranding     3 wires twisted       Stranding     3 wires twisted     Stranding     26.4 g/m       Material jacket     PUR     Stranding     90 ± 5 Shore A       Freedom from lingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Curue diameter (sheath)     ± 5 %       Outer diameter (sheath)     ± 5 %     Strandication     1.25 mm       Outer diameter insulation     1.25 mm     Curue diameter free     Silicone-free       Outer diameter insulation     1.25 Shore D     Shore back-free, cadmium-free, CFC-free, halogen-free, silicone-free     Shore back-free       Amount strands (wire)     32     Shore D     Shore D     Shore D     Shore D	Operating temperature max.	85 °C
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       wire arrangement     brown, black, blue       Cable weigth     26,4 g/m       Material jacket     PUR       Store hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (lacket)     4.1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter tolerance core insulation     1,25 mm       Outer diameter insulation     ± 5 % Sore D       Ingredient feeness wire insulation     ± 5 % Sore D       Ingredient feeness wire insulation     ± 5 Shore D       Ingredient feeness wire insulation     ± 5 Shore D       Ingredient feeness wire insulation     ± 5 Shore D       In	Additional condition temperature range	depending on cable quality
Installation   CableCable identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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 jacketPPAnount wires3Outer diameter (sheath)± 5 %Material ionNP EAnount wires3Outer diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,25 Shore DIngredient Kree, cadmium-free, CFC-free, halogen-free, silicone-freeAnount wires3Outer diameter insulation1,25 shore DIngredient Kree, cadmium-free, CFC-free, halogen-free, silicone-freeAnount strands (wire)32Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareTaversing distance (C-track)10 m @ 25 °C   horizontal	Conformity	
Cable Identification630Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)Iead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulationPPAmount wires3Outer diameter lolerance core insulation $1,25 mm$ Outer diameter insulation $70 \pm 5 \%$ Shore hardness wire insulation $70 \pm 5 \%$ Duter diameter wire insulation $70 \pm 5 \%$ Duter diameter insulation $22 mm^2$ Material wire insulation $22 mm^2$ Material wire insulation $22 mm^2$ Material of wire) $32$ Diameter of single wires $0,1 mm$ Conductor or wireStranded copper wire, bareConductor wireStranded	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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 wires3Outer diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation22Diameter of single wires0,1 mmConductor crossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)stranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Installation   Cable	
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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 jacket3Outer diameter insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation92 ± Shore DIngredient freeness wire insulation1,25 mmOuter diameter of single wires0,1 mmConductor corsesection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Cable identification	630
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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 jacket3Outer diameter insulationPPAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation92 ± Shore DIngredient freeness wire insulation1,25 mmOuter diameter of single wires0,1 mmConductor corsesection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Cable Type	3
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable 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 wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation125 mmOuter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor vireStranded copper wire, bareConductor wire <td< td=""><td></td><td>black</td></td<>		black
Stranding3 wires twistedwire arrangementbrown, black, blueCable 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 wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation22Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Type of Certificate	cURus
wire arragementbrown, black, blueCable 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 wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation82Diameter of single wires0,1 mmConductor cosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Amount stranding	1
Cable 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 wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bareTonductor C(-track)10 m @ 25 °C   horizontal	Stranding	3 wires twisted
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 wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor orissection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	wire arrangement	brown, black, blue
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 wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor orissection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Cable weigth	26,4 g/m
Freedom 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 wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal		
Outer-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Outer-diameter (jacket)	4,1 mm
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Material wire insulation	PP
Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Amount wires	3
Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontal	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal	Amount strands (wire)	32
Material conductor wire Stranded copper wire, bare   Conductor type (wire) strand class 6   Traversing distance (C-track) 10 m @ 25 °C   horizontal	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6   Traversing distance (C-track) 10 m @ 25 °C   horizontal	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Traversing distance (C-track) 10 m @ 25 °C   horizontal	Material conductor wire	Stranded copper wire, bare
	Conductor type (wire)	strand class 6
Travel speed (C-track) 10 Mio. @ 25 °C	Traversing distance (C-track)	10 m @ 25 °C   horizontal
	Travel speed (C-track)	10 Mio. @ 25 °C

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: 2024-05-01



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	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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