

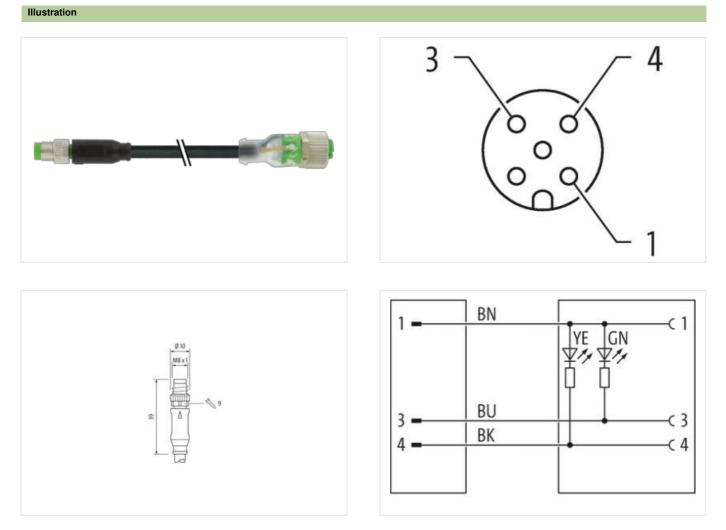
## M8 male 0° / M12 female 0° A-cod. LED

PUR 3x0.25 bk UL/CSA 3m

## 

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.

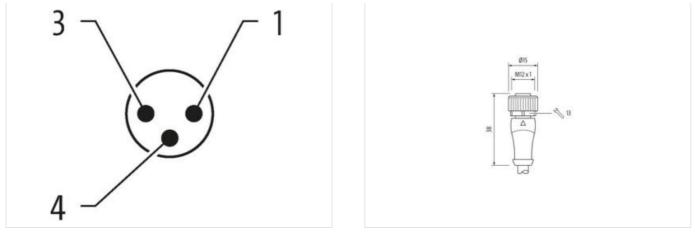
## Link to Product



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: 2024-05-19

בתמוודר היו היו מירופטורפס טירוקוטנירפס מים נסויפמונץ טו נופ וווטורומנוטר וא ופטווטנעל נט עוטא וופעוועפונעל. עפואטוון, בעבע-19





Product may differ from Image



Cable length	3 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	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 $\emptyset$ )	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	4048879123655
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V

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Durrent operating per contact max.     4 A       Dagostics     grown, vallow       Device protection LE extinctal     grown, vallow       Device protection (EN IEC 0559)     IP66, IP67, IP68, IP66K       Additional conting orderion degree     3       Rate surge voltage     0       Material poor, IEC 0568-1)     1       Material poor, IEC 0568-10     1       Material poor, IEC 0568-10     1       Dording torright profile     0       Dording torright poor     2       Material data IEC 00000000000000000000000000000000000	Operating voltage DC max. (UL-listed)	30 V
Status indication LEDgreen, yellowDevice protection (ENE C 6029)IP65, IP67, IP68, IP65KAdditoral condition protection digreeinserted, screwedAdditoral condition protection digree0.8 KVRelation group (EC 60664-1)IRelation group (EC 60664-1)IRecharal troup (EC 60664-1)indice jatedCaching Loding undnickle jatedLoding protection (Strew coaling)PURLoding retrow coalingPURLoding mothedIsored coaling locidingMecharial troubing (Strew coaling)PURLoding mothedIsored coaling locidingPorting mothedIsored coaling locidingPorting troup retrow retroStrewed, Straking protectionEnvironmental characteristics (ClimaticCooling troup retrow retroPorting troup retrow retroStrewed, Straking protectionContomityStrewed, Straking protectionProtection troup retrow retroStrewed, Straking protectionCathed troup retrow retroStrewed, Straking protectionCathed troup retrow retroStrewed, Straking protectionPorting tromperature retroStrewed, Straking protectionCathed troup retrow retrowStrewed, Straking protectionCathed troup retrow retroStrewed, Straking protectionCathed troup retrow retrowStrewed, Strewed, Straking protection	Current operating per contact max.	4 A
Status indication LEDgreen, yellowDevice protection (ENE C 6029)IP65, IP67, IP68, IP65KAdditoral condition protection digreeinserted, screwedAdditoral condition protection digree0.8 KVRelation group (EC 60664-1)IRelation group (EC 60664-1)IRecharal troup (EC 60664-1)indice jatedCaching Loding undnickle jatedLoding protection (Strew coaling)PURLoding retrow coalingPURLoding mothedIsored coaling locidingMecharial troubing (Strew coaling)PURLoding mothedIsored coaling locidingPorting mothedIsored coaling locidingPorting troup retrow retroStrewed, Straking protectionEnvironmental characteristics (ClimaticCooling troup retrow retroPorting troup retrow retroStrewed, Straking protectionContomityStrewed, Straking protectionProtection troup retrow retroStrewed, Straking protectionCathed troup retrow retroStrewed, Straking protectionCathed troup retrow retroStrewed, Straking protectionPorting tromperature retroStrewed, Straking protectionCathed troup retrow retrowStrewed, Straking protectionCathed troup retrow retroStrewed, Straking protectionCathed troup retrow retrowStrewed, Strewed, Straking protection	Diagnostics	
Device protection   Electrical     Product protection (EN EC 60202)     Product product protection (EN EC 60202)     Product p		groop vollow
Degree of protection (EN IEC 60528)IP65, IP67, IP68, IP66KAdditional condition protection degreeiscreted, screwedPolitarion Degree3Riad storge voltago0.6 kVMaterial group (IEC 606641)IMachanial group (IEC 606641)nickel platedCasting loobing nutnickel platedMaterial rousingPURLocking nutmickel platedLocking nutmickel platedLocking nutinserted, screwed, Shnking protectionMaterial rousingPURLocking nutinserted, screwed, Shnking protectionMaterial rousinginserted, screwed, Shnking protectionMaterial rousingdegree ing on cable qualityOperating temperature min.25 °COperating temperature min.25 °COperating temperature min.25 °CControntion900 °CProduct scrawdBhor 100 °C 2011 (M12), DN EN 61076 2114 (M8)Desting temperature min.25 °CCable of condition80 °CAdditional condition80 °CCable of condition900 °CCable of condition80 °CCable of condition80 °CCable of condition80 °CCable Type2Cable of condition80 °CCable of coldblackType of Catilitation80 °CCable of coldblackType of Catilitation80 °CCable of coldblackType of Catilitation80 °CCable of coldblackTyp		green, yenow
Additional condition protection degree inserted, screwed   Polution Degree 3   Rater surge vortage 0,8 kV   Material group (EC 60664-1) 1   Hechanical data   Material data inckel plated   Locking screw coaling nickel plated   Locking screw coaling nickel plated   Locking screw coaling nickel plated   Locking material screw Brass   Mechanical data   Mounting data Inserted, screwed. Shaking protection   Environmental characteristics   Ginnatic Competition group (EC 60664-1)   Operating temperature min. -25 °C   Operating temperature max. 85 °C   Operating temperature max. 85 °C   Conformity Conformity   Poduct standard DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)   Instandia DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)   Instandia DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)   Instandia DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)   Instandia DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)   Instandia DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)   Instandia DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)   Instandia DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)   Instandia <t< td=""><td>Device protection   Electrical</td><td></td></t<>	Device protection   Electrical	
Pathation Degree     3       Rated surge voltage     0,8 kV       Material group (EC6 6066-1)     1       Mechanical data [Material data     Control (EC6 6066-1)       Control polyme (EC6 6066-1)     nickel plated       Locking nut     nickel plated       Locking nut material     Zinc die casting       Locking mathical externa     Brass       Mechanical data [Mounting data     Insertial, scrowed. Shaking protection       Environmental characteristics [Climatic     Operating temperature min.       Operating temperature min.     25 °C       Operating temperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Contomity     Product 20 °C       Data in distriction temperature range     depending on cable quality       Cable fortype     2       Cable fortype     2 <td></td> <td>IP65, IP67, IP68, IP66K</td>		IP65, IP67, IP68, IP66K
Rated supp voltage     0.8 kV       Material group (IEC 60684.1)     1       Mechanical data (Material data)     Inckel plated       Coating locking nut     nickel plated       Locking sorw coating     nickel plated       Material nousing     PUR       Locking mut material     Zino die-casting       Locking material screw     Brass       Mechanical data (Mounting data)     Mechanical data (Mounting data)       Mechanical data (Mounting data)     Sino die-casting       Operating tomperature min.     25 ° C       Operating tomperature min.     25 ° C       Operating tomperature max.     25 ° C       Operating tomperature max.     25 ° C       Contornity     Contornity       Product standard     DIN EN 61076 2 101 (M12), DIN EN 61076 2 114 (M8)       Installication (Cable     Cable forenilication       Cable forenilication     620       Cable forenil		
Material group (IEC 60064.1)     I       Mechanical data [Material data       Coaling locking nut     nickel plated       Locking sciew coaling     mickel plated       Locking nut material     Zino dis-cashing       Locking material screw     Brass       Mechanical data [Mounting data     Mechanical data [Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conormity     Product standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation] Cable     Cable dentification       Cable Infinition     620       Cable Infinition		
Mechanical data   Material data       Coading locking nut     nickel plated       Locking scrw coating     nickel plated       Metrial housing     PUR       Locking nut material     Zinc disc-asting       Locking nut material     Zinc disc-asting       Mechanical data   Mounting data     Mechanical data   Mounting data       Mechanical data   Mounting data     Since disc-asting       Contrometal characteristics   Climatic     Concernmental characteristics   Climatic       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Contormity     Poduct standard       Poduct standard     DIN EN 61076-2-110 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable Type       Cable Type     2       Jacket Color     black       Type of Certificate     CuFus       Anount stranding     1       Stranding     1       Stranding     1       Stranding     1       Stranding     5 ± 5 Shore A       Freedom frm ingredients (gacket)     4.5 ± 5 %       Material jacket		0,8 kV
Caling locking nut     nickel plated       Locking screw caling     nickel plated       Material housing     PUR       Locking nut material     Zinc die-casting       Locking nut material screw     Brass       Mechanical data I Mounting data     Mechanical data I Mounting data       Mounting mothod     inserted, screwed, Shaking protection       Environmental characteristics I Climatic     Comparing temperature man.       Additional condition temperature range     depending on cable quality       Contromity     Product standard       Product standard     DIN EN 61076-2-114 (MB2)       Data Standard     DIN EN 61076-2-114 (MB2)       Installation (Cable     Cable caling       Cable Standard     G20       Cable Type     2       Cable Color     Daack       Type of Cartiticate     cJRus       Amount stranding     1       Stranding     3 wires twisted       Mareir lapoket     PUR       Shore A     Stranding       Shore A     Stranding       Cable weight     6.82 ± S fore A       Freedom from ingredent (gacket)	Material group (IEC 60664-1)	I
Locking screw coaling   nickel plated     Material housing   PUR     Locking material   Zinc die-casting     Locking material screw   Brass     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature max.     Operating temperature max.   88 °C     Additional condition temperature max.   80 °C     Contormity   Product standard   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installion   Coble   Cable demilication   620     Cable Color   black   Diverse     Type of Certificate   cUFUs   Cubrus     Amount stranding   1   Stranding   3 wise twisted     Waterial jacket   PUR   Store hardnese sjacket   85 ± 5 Store A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, elicone-free   Cubrue     Cuter diameter (isolation   4.3 mm   Conternation   Cos %     Material jacket <td< td=""><td>Mechanical data   Material data</td><td></td></td<>	Mechanical data   Material data	
Material housing     PUR       Locking nut material     Zinc die casting       Locking nut material serve     Brass       Mechanical data [Mounting dat     inserted, screwed, Shaking protection       Environmental characteristics [ Glimatic     Operating temperature min.     25 °C       Operating temperature max.     88 °C     Additional condition temperature mage     depending on cable quality       Contromity     Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Environmental for the formatic standard       Cable identification     620     Cable Type     2       Cable identification     0LPUs     Amount stranding     1       Stranding     3 wires twisted     Stranding     Stranding       We arrangement     brown, black, blue     Cable Type     Cable	Coating locking nut	nickel plated
Locking nut material     Zinc die-casting       Brass     Mechanical data   Mounting data       Mounting method     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature max.     85 °C     Additional condition temperature range     depending on cable quality       Conormity     Product standard     DIN EN 61076-2-114 (M8)     Installation   Cable       Cable dentification     620     Cable dentification     Cable dentification       Cable dentification     620     Cable dentification     Cable dentification       Type of Certificate     cDRus     Conormity     Cable dentification     Cabl	Locking screw coating	nickel plated
Locking material screw     Brass       Mechanical data [Mounting data     inserted, screwed, Shaking protection       Environmental obtancteristics [Climatic     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 dientification     620     Cable for program     Zable for	Material housing	PUR
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Concommental characteristics   Climatic       Operating temperature main.     25 °C       Operating temperature main.     85 °C       Additional condition temperature range     depending on cable quality       Contromity     Product standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     620       Cable Identification     620       Cable Identification     620       Cable Identification     620       Cable View     URus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     26,62 g/m       Material jacket     PUR       Store hardness jacket     85 ± 5 Shore A       Freedon from ingredients (gacket)     43 mm       Tolerance outer diameter (gekett)     15 %       Material properites wiensulation     125 mm	Locking nut material	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.     65 °C       Additional condition temperature max.     65 °C       Additional condition temperature max.     69 °C       Additional condition temperature max.     69 °C       Contormity     Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification     620       Cable identification     620     Cable identification       Cable identification     620     Cable identification       Type of Certificate     c URus     Amount stranding       Amount stranding     1     Stranding     1       Stranding     3 wires twisted     wire arrangement     brown, black, blue       Cable weigh     2.6.6.2 g/m     Aderial jackat     PUR       Shore hardness jacket     8.5 5 S hore A     Freedom trom ingredients (jacket)     4.3 mm       Tolerance outer diameter (sheath)     4.5 %     Additachree, cadmium-free, CFC-f	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 dentification     620       Cable dentification     620     Cable Type       2     Jacket Color     black       Type of Certificate     cURus     Amount stranding       1     Stranding     1       Stranding     3 wires twisted     Stranding       Wrie arrangement     brown, black, blue     Cable everyth       Cable weigth     26.62 g/m     Material jacket     PUR       Shore hardness jacket     B5 ± 5 Shore A     Freedom from ingredients (jacket)     lead free, cadmium-free, CFC-free, silicone-free       Date-ridiameter (jacket)     4.3 mm     Tolerance outer (jacket)     4.3 mm       Tolerance outer (jacket)     4.3 mm     Coleraneter (jacket)     4.3 mm       Outer diameter (jacket)     4.3 mm     Colerameter (jacket)     4.3 mm	Mechanical data   Mounting data	
Operating temperature min25 °COperating temperature max. $85 °C$ Additional condition temperature may. $85 °C$ Additional condition temperature may. $depending on cable quality$ ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification $620$ Cable identification $CURus$ Amount stranding1Stranding $3$ wires twistedwire arrangementbrown, black, blueCable weigth $26,62 g$ ymMaterial jacketPURShore hardness jacket $85 \pm 5$ Shore AFreedem from ingredients (jacket) $4.3 ~m$ Tolerance outer diameter (sleath) $\pm 5 ~%$ Material wire insulationPVCAmount wires $3$ Outer diameter insulation $1.25 ~m$ Material properties wire insulation $1.25 ~m^2$ Material properties wire insulation $1.25 ~m^2$ Mater	Mounting method	inserted, screwed, Shaking protection
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conomity     INIE N6 1076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable Identification       Cable Identification     620       Mount Stranding     1       Stranding     3 wires twisted       wire arrangement     Drown, black, blue       Cable Weighth     26,62 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     Iad mmun-free, CFC-free, silicone-free       Outer diameter (sheath)     ± 5 %       Material jacket     PVC	Environmental characteristics   Climatic	
Additional condition temperature range   depending on cable quality     Contormity   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable   Cable identification     Cable identification   620     Cable Type   2     Jacket Color   black     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   26,62 g/m     Material jacket   PUR     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)   4,3 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter insulation   4.3 Shore D     Material properties wire insulation   9.0 CA-fre	Operating temperature min.	-25 °C
Conformity       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable       Cable identification     620       Cable identification     620       Cable Type     2       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigh     26,62 g/m       Material jacket     PUR       Shore Anardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter tolerance core insulation     ± 5 %       Shore Dardness wire insulation     4.3 5 Shore D       Material properties wire insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     4.3 5 Shore D       Material	Operating temperature max.	85 °C
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification620Cable Type2Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26.62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter diameter (sheath)± 5 %Material jacketPVCAmount stranding1Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Material wire insulation43 ± 5 Shore DMaterial wire insulation1,25 mm²Ingredient freeness wire insulation125 mm²Diameter of single wires0,1 mmConductor crossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor twireStranded copper wire, bareConductor twire)5 tranded copper wire, bareConductor twireStranded copper wire, bareConductor twireStranded copper wire, bareConductor twireStranded co	Additional condition temperature range	depending on cable quality
Installation   Cable       Cable identification     620       Cable Type     2       Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26.2 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter tolerance core insulation     ± 5 %.       Shore hardness wire insulation     4.3 ± 5 Nore D       Material weignes wire insulation     4.3 ± 5 Nore D       Material properties wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount stran	Conformity	
Cable identification620Cable Type2Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)1 ± 5 %Outer diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material vire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulation22Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor vireStranded copper wire, bareConductor vireStranded copper wire, bareConductor vireStranded copper wire, bare	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable Type2Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter diameter (jacket)4.3 mmTolerance outer diameter (sheath)± 5 %Material properties wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Material properties wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulation1ead-free, cFC-free, silicone-freeOuter diameter folerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulation1ead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor orossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor wireStrand class 6	Installation   Cable	
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 $\pm$ 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath) $\pm$ 5 %Material jacket3Outer diameter null wire insulationPVCAmount wires3Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Shore hardness wire insulation $3 \pm$ 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor rossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bare	Cable identification	620
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationgood machinabilityIngredient freeness wire insulation32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6	Cable Type	2
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26.62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationis 2 shore DMaterial properties wire insulation32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor vireStranded copper wire, bareConductor vireStranded copper wire, bare	Jacket Color	black
Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Material properties wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Material properties wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulationka ± 5 Shore DMaterial conductor wire32Diameter of single wires0,1 mmConductor vireeStranded copper wire, bareConductor wireStranded copper wire, bare <tr< td=""><td>Type of Certificate</td><td>cURus</td></tr<>	Type of Certificate	cURus
Vire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Material properties wire insulation1,25 mmIngredient freeness wire insulation± 5 %Material properties wire insulation1,25 mmDiameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6	Amount stranding	1
Cable weigh26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor orosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bare	Stranding	3 wires twisted
Material jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4.3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	wire arrangement	brown, black, blue
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Cable weigth	26,62 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Material jacket	PUR
Outer-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Outer-diameter (jacket)	4,3 mm
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Material wire insulation	PVC
Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Amount wires	3
Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Outer diameter insulation	1,25 mm
Material properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Outer diameter tolerance core insulation	
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-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 6	Shore hardness wire insulation	43 ± 5 Shore D
Amount strands (wire)   32     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	Material properties wire insulation	good machinability
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	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6		32
Material conductor wire Stranded copper wire, bare   Conductor type (wire) strand class 6	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
	Material conductor wire	Stranded copper wire, bare
Traversing distance (C-track) 5 m @ 25 °C   horizontal		strand class 6
	Traversing distance (C-track)	5 m @ 25 °C   horizontal

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Travel speed (C-track)	2 Mio. @ 25 °C
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 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
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)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter

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