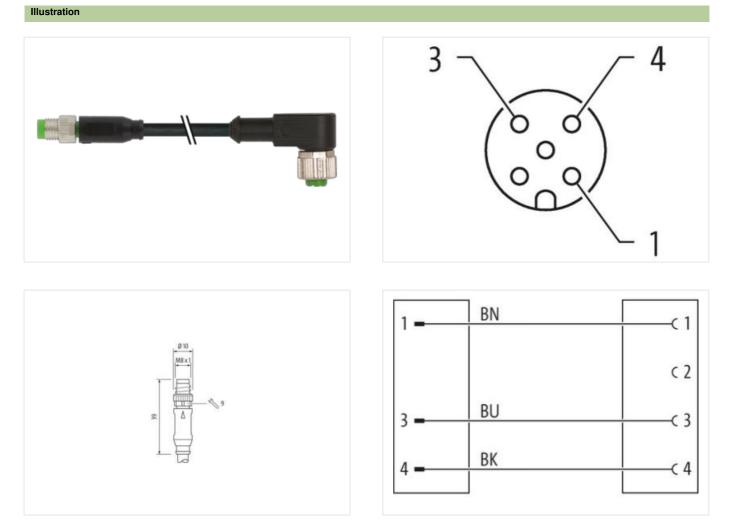


M8 male 0° / M12 female 90° A-cod.

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

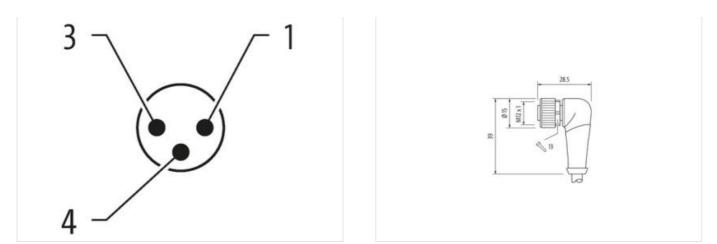
Male straight – female 90° Zinc die casting, save-cover coated M8 – M12, 3-pole M12, A-coded Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should 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
Coding	A
Material contact	Copper alloy
No. of poles	3
Width across flats	SW9
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
amily construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
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

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



subtoms kurf number 6444409 OTN 4048091254400 Prokaging unit 1 Electrical data [Supply 0 Operating values AC max. 50 V Operating values AC max. 4 A Diagoostic 0 Diagoostic 1	ETIM-5.0	EC001855
Packaging unit 1 Electrical data [Supply Image: Company onling AC max. 50 V Operating voltage AC max. 60 V Operating voltage AC (LL-issed) 30 V Carrent operating voltage AC (LL-issed) 30 V Operating voltage AC (LL-issed) 30 V Carrent operating voltage AC (LL-issed) 30 V Image: Company voltage AC (LL-issed) 30 V Dispositio Image: Company voltage AC (LL-issed) 30 V Image: Company voltage AC (LL-issed) 30 V Device protection [Electrical Device protection (Electrical Image: Company voltage AC (LL-issed) 30 R Device protection or protection ongore Image: Roy voltage AC (LL-issed) 30 R Reside arge voltage 3 R Caditary arge voltage 3 R Reside arge voltage 30 R Reside arge voltage 30 R Caditary arge voltage 1 S N V Image: Roy voltage AC (LL-issed) Material arge arge (LL-issed) <td< td=""><td>customs tariff number</td><td>85444290</td></td<>	customs tariff number	85444290
Electrical data Supply Operating voltage AC max. S0 V Operating voltage AC (UL-listed) S0 V Operating voltage AC (UL-listed) S0 V Operating voltage AC (UL-listed) S0 V Operating voltage AC (UL-listed) S0 V Corrent operating por contact max. 4 A Depresenting por contact max. 4 A Device protection [Electrical mo Device protection [Electrical Device protection [Electrical S0 V Operating voltage AC (UL-listed) IPS, IPS, IPS, IPS, IPS, IPS, IPS, IPS,	GTIN	4048879122450
Operating voltage AC nas. 50 V Operating voltage AC (Unitated) 30 V Operating voltage AC (Unitated) 4 A Diagnostic Factor State (Indication LED) Device protection (EN EC 6025) 1P65, 1P67, IP68, IP66K Additional condition protection degree insertod, screwed Pollation Degree 3 Rated strapp voltage 1,5 V Material position Sertor coated Coating looking safe cover coated Material position Zer dia casting Deparating tomperature max. SF O Additional condition temperature may. SF O Operating voltage tom max. Af SF O Addition of condition temperature may.	Packaging unit	1
Operating voltage DC max. 60 V Operating voltage DC (UL-listed) 30 V Current operating opt Contact max. 4 A Diagnostics Status indication LED no Device protection Electrical Post (DE) Post (DE) Dagree of protection (EN IEC 60528) IP65, IP67, IP68, IP60K Post (DE) Additional contification protection digges 3 Reade surge voltage 3 Tareat surge voltage 3 Reade surge voltage 3 Attend surge voltage 3 Reade surge voltage 3 Attend surge voltage 3 Reade surge voltage 3 Attend and you voltage protection [Electrical Post (Electrical Content content of the	Electrical data Supply	
Operating voltage DC max. 60 V Operating voltage DC (UL-listed) 30 V Current operating opt Contact max. 4 A Diagnostics Status indication LED no Device protection Electrical Post (DE) Post (DE) Dagree of protection (EN IEC 60528) IP65, IP67, IP68, IP60K Post (DE) Additional contification protection digges 3 Reade surge voltage 3 Tareat surge voltage 3 Reade surge voltage 3 Attend surge voltage 3 Reade surge voltage 3 Attend surge voltage 3 Reade surge voltage 3 Attend and you voltage protection [Electrical Post (Electrical Content content of the	Operating voltage AC max.	50 V
Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Contract operating per contact max. 4 A Diagnostics Status indication LED no Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Device protection [Electrical Costing material 15 kV Material boxing Device protection [Electrical Costing material Zinc de-caating Device protection [Electrical Device protection [Electrical Doparating temperature min. -25 °C Operating temperature max. B5 °C Addition notes Device protect in connectors by suitable measures from mechanical loads, e.g. by the usage of cable loss. Note on strain r		
Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A Diagnostics Status indication LED no Device protection Electrical Electrical Status indication (EN IEC 60528) IPPS, IPPS, IP68, IP68K Additional condition protection degree 3 Reade surge voltage 3 Parted surge voltage 1 Net Material group (EC 60664-1) 1 Mechanical data Material data Coating locking PuB Coating locking Coating locking PUB Coating locking PUB Coating locking PUB Coating locking Ref-cover coated Material gastet FKM Ref-cover coated Ref-cover coated Material pastet FKM Ref-cover coated Ref-cover coated Material bousing PUB Coating locking protection Ref-cover coated Material pastet FKM Ref-cover coated Ref-cover coated Mounting method inserted, screwed, Shaking protection Ref-cover coated Deparating thereparature min. -25 °C Coperating thereparature min. <		
Current operating per centract max. 4 A Disposition Status indication LED no Device protection [Electrical Degree of protection (EN EC 60559) IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Pellutorn Degree of a sandard screwed Additional condition protection degree isserted, screwed Pellutorn Degree (Se 6064+1) I Mechanical data Material data Conting (Se 6064+1) I I Mechanical data Material data Conting (Se 6064+1) I I Mechanical data Material data PUR Inserted, screwed, Shaking protection Image: Second Sec		
Diagnostics Status Indication LED no Device protection [Electrical Device protection (El IEC 60620) IP65, IP67, IP68, IP66K Additional condition protection degree isserted, screwed Pollution Pollution protection (El IEC 60624) 1 IF65, IP67, IP68, IP66K Additional condition protection degree 3 Isserted, screwed Pollution Degree 3 Isserted, screwed Additional group (IEC 60664-1) 1 Imediation protection (El IEC 6064-1) Material gasket FH04 Imediation (El IEC 6064-1) Material pasket FH04 Imediation (El IEC 6064-1) Material housing PUR Imediation (El IEC 6064-1) Locking metrial Zin cole-casting Imediation (El IEC 6064-1) Mounting metrid Inserted, screwed, Shaking protection Imediation (El IEC 6064-1) Environmential characteristics [Climatic Climatic Imediation (El IEC 6064-1) Important installation notes B5 °C Conditional condition relegasity Important installation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ending forces.		4 A
Device protection (ENICE 00529) IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 005641) I Mechanical dial IMaterial data Mechanical dial IMaterial data Material group (IEC 005641) I Mechanical dial IMaterial data PKM Material pasket PKM Material pasket PKM Material pasket PKM Material notating data PUR Locking material Zinc die-casting Mechanical data IMounting data Mechanical data Imounting data Material house restricts [Climatic Compensation temperature max. Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Note on stain relief Protect the connectors by subtable measures from mechanical loads, e.g. by the usage of cable ties. Note on stain relief Protect the connectors by subtable measures from mechanical loads, e.g. by the usage of cable ties. Note on stain relief <td></td> <td></td>		
Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K Additional condition protection degree 3 Rated surge voltage 1, S.k.V Material group (IEC 6068-1) 1 Mechanical data Material data	Status indication LED	no
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Sale cover coated Material gast Material gast FKM Material dast FKM Material dast FKM Material dast Material dast Mochanical data Mouning data Incereations Mochanical data Mouning data Material gast Mochanical data Mouning data Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additonal condition temperature may. depending on cable quality Important installation notes Note on strin reliel Note on strin reliel Portect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ise. Attention: Cbsorve the permissible bending radii when laying cables, as the IP protection class can be endargered by excessive bending forces. Contomity INE N 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation (Cable UPUR Cable dentificat	Device protection Electrical	
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Coating locking Sale cover coated Material gast Material gast FKM Material dast FKM Material dast FKM Material dast Material dast Mochanical data Mouning data Incereations Mochanical data Mouning data Material gast Mochanical data Mouning data Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additonal condition temperature may. depending on cable quality Important installation notes Note on strin reliel Note on strin reliel Portect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ise. Attention: Cbsorve the permissible bending radii when laying cables, as the IP protection class can be endargered by excessive bending forces. Contomity INE N 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation (Cable UPUR Cable dentificat	Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K
Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Costing locking Safe cover coated Material gasket Material gasket FKM Material brousing PUR Locking material Zine die-casting Mechanical data Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temporature min. Operating temporature min. -25 °C Operating temporature max. 65 °C Additional condition temporature range depending on cable quality Important installation notes Note on strain relief Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Portect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Potect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Potect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Diverse-101 (M12), Diverse-114 (M8) Installation Cable Unerelinere (Si		
Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Material data Costing locitized and the state of the state		3
Material group (IEC 60684-1) I Mechanical data Material data Coating locking safe-cover coated Material gaset FKM Mounting methy Inserted, screwed, Shaking protection Environmental characteristics Climatic Coadination combine temperature min. -25 °C Operating 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. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endargered by excessive bending forces. Conformity Installation for 10 M12), DIN EN 61076-2-114 (M8) Installation Cable Sofe Gable identification 650 Cable identification 650		1,5 kV
Coating locking safe-cover coated Material gasket FKM Material housing PUR Locking material Zinc die-casting Mechanical data Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Coperating temperature min. -25 °C Operating temperature min. -25 °C Operating temperature max. Additional condition temperature range depending on cable quality Important Installation notes Material character is and edgending on cable quality 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 ending or cess. Conformity Product standard Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable identification Go50 Cable identification Go50 Cable identification Go50 Cable identification Go50 Cable identific		1
Material gasket FKM Material housing PUR Locking material Zinc die-casting Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. :25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Material particle installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable identification Cable identification 650 Cable identific	Mechanical data Material data	
Material gasket FKM Material housing PUR Locking material Zinc die-casting Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. :25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Material particle installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tiles. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable identification Cable identification 650 Cable identific	Coating locking	safe-cover coated
Material housing PUR Locking material Zinc die-casting Mechanical data Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Moute on strain relief 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 Installation Cable Wrie arrangement brown, black, blue Cable identification 650 Cable reigh 3 wires twisted		
Locking material Zinc die-casting Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Mouto on strain relief 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 61076-2-111 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable identification 650 Cable identification Qabel Color black Type of Cartificate cURus Amount stranding 1 Stranding 3 wires twisted wrire arrangement brown, black, blue Cable weight 26,4 grin Attentia jacket <td< td=""><td></td><td>PUR</td></td<>		PUR
Mechanical data Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature max. 65 °C Additional condition temperature max. 65 °C Operating temperature max. 65 °C 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. Contormity Product standard DIN EN 61076-2-111 (M12), DIN EN 61076-2-114 (M8) Installation Cable wrie arrangement brown, black, blue Cable identification 650 Cable identification Cable identification 650 Cable Type of Certificate cURus Amount stranding Amount stranding 1 Stranding Vire arrangement brown, black, blue Cable weight Cable weight 26,4 g/m Cable weight 26,4 g/m Amount stranding		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 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 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable Type 5 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable type 5 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wir		
Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending 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. 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 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable Type 5 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable type 5 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wir		inserted, screwed, Shaking protection
Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Important installation notes 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 Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement wire arrangement brown, black, blue 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 58 ± 3 Shore D Freedom from ingredients (jacket) 4.3 mm Tolerance outer diameter (sheath) ± 5 %	-	
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 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable identification 650 Gable Type Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Gable 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 %		25 °C
Additional condition temperature range depending 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. 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 Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable identification Cable Type 5 Jacket Color black Type of Certificate cLRus 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 Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 %		
Important installation notesNote on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation Cablewire arrangementbrown, black, blueCable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable Type5Jacket ColorblackType of SertificatecURusAmount 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 %		
Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.ConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation Cablewire arrangementbrown, black, blueCable 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 (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %		
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 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue Cable identification 650 Cable I Type 5 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable K UP Stranding 1 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 %		Protect the connectors by suitable measures from mechanical leads, e.g. by the usage of cable tice
Note on behaling radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable wire arrangement brown, black, blue 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 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 %		
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation Cablewire arrangementbrown, black, blueCable identification650Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)4,3 mmTolerance outer diameter (jscket)± 5 %	Note on bending radius	
Installation Cablewire arrangementbrown, black, blueCable 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, cardmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Conformity	
wire arrangementbrown, black, blueCable identification650Cable Type5Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,4 g/mMaterial 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 %	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
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 (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Installation Cable	
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)4,3 mmTolerance outer diameter (sheath)± 5 %	wire arrangement	brown, black, blue
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 %	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-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Cable Type	5
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-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Jacket Color	black
Stranding3 wires twistedStranding3 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-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Type of Certificate	cURus
wire arrangementbrown, black, blueCable weigth26,4 g/mMaterial jacketPURShore hardness jacket58 ± 3 Shore DFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %	Amount stranding	1
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 Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 %	Stranding	3 wires twisted
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 %	wire arrangement	brown, black, blue
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 %	Cable weigth	26,4 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 %	Material jacket	PUR
Outer-diameter (jacket) 4,3 mm Tolerance outer diameter (sheath) ± 5 %	Shore hardness jacket	58 ± 3 Shore D
Tolerance outer diameter (sheath)± 5 %	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP		
	Material wire insulation	PP

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



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
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
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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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