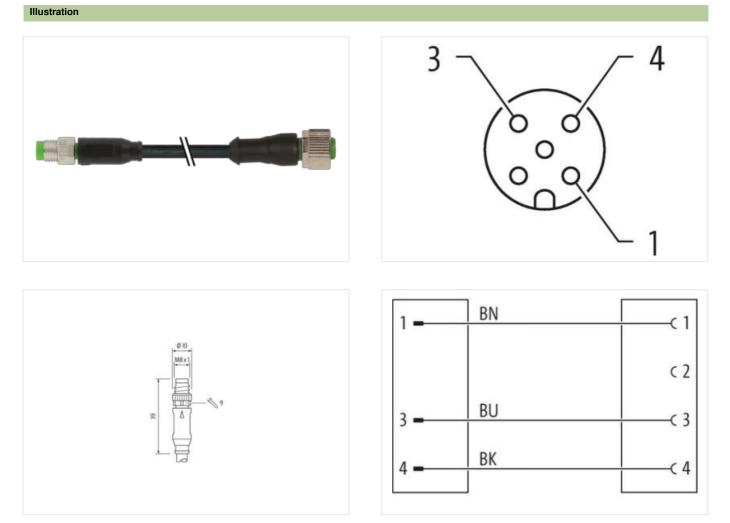


M8 male 0° / M12 female 0° A-cod.

PVC 3x0.25 bk UL/CSA 2m

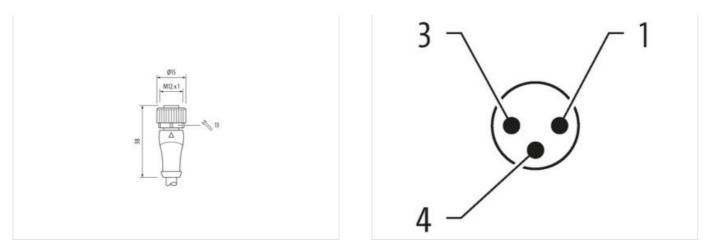
Male straight – female straight M8 – M12, 3-pole Art-No. 7005 - M12/M8 Lite - (plastic hexagonal screw) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. 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: 2024-04-30





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
Family 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: 2024-04-30



outers and Function 8544420 GTIN 404857124072 Plocking unit 1 Electrical data [Suppi)	ETIM-5.0	EC001855
Packaging unit 1 Electrical data Suppiy 50 V Operating voltage AC max. 60 V Operating voltage DC max. 4 A Davice protection Electrical Bayer DC maxer departing per context max. Degree of protection (EleCtrical Imared, screwed Deflution Degree 3 Ratid surge voltage 1.5 kV Material pool (Electrical State) 10 Kelwood Material pool (Electrical State) 1 Mechanical acting FUA Material pool (Electrical State) 1 Costing pool (Electrical State) 1 Mechanical acting FUA Material pool (Electrical State) FUA Material gooket	customs tariff number	85444290
Electrical data Supply Operating voltage AC max. 50 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Current operating voltage AC (UL-listed) 30 V Degree of protection Electrical Degree of protection (EN EC 60529; PPS, IPS 7, IPS8, IP66K Additional condition (EN EC 60529; PPS, IPS 7, IPS8, IP66K Additional condition (EN EC 60529; Paluton Drovee 3 Rated surge voltage 1. Material grave VIEGe 80664-1) 1 Immedia Material qualet FOM Material qualet Material paulet FOM Material qualet Material paulet FOM Material paulet Mounting method inserted. screwed, Shuking protection Material paulet FOM Material paulet Mounting method inserted. screwed, Shuking protection Operati	GTIN	4048879124072
Operating voltage AC nax. 50 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Current operating per contact max. 4 A Device protection [Electrical Device operation [Electrical Device operation [Electrical Device operation [Electrical Device operation [Electrical Mathemating construction (Ell (EC 60624)) 1 Image and protection (Ell (EC 60624)) 1 Mathemating construction (Ell (EC 60624)) 2	Packaging unit	1
Operating voltage DC max. 60 Y Operating voltage DC (UL-listed) 30 Y Current operating voltage DC (UL-listed) 30 Y Device protection [Electrical Device protection [Electrical Degree of protection [Electrical Electrical Degree of protection [Electrical IP65, IP67, IP68, IP66K Addition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (EC 60641) I Mechanical data [Material data Coating locking Coating locking Nickeled Material gaaket FKM Material gaaket FKM Material gaaket FKM Material gaaket SKeled Material gaaket FKM Mounting method inserted, screwed, Shaking protection Evicoametial characteristics [Otimatic Emportune max. Additorial condition importune range depending on cable quality Important installation notes Si °C Note on bending radus Attention: Observe the permissible bending radii when laying cables, as the IP protecticli cl	Electrical data Supply	
Operating voltage AC (UL, Hister) 90 V Operating voltage AC (UL, Hister) 90 V Concerning performation periodical mask. 4 A Device protection (EN EC 00529) IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Polition Degree 3 Rated surge voltage 1,5 KV Material grady (EC 06684-1) I Mechanical data Material data Coating locking Material grady (EC 06684-1) I Metrial grady (EC 06684-1) I Medical locking Nickeled Material grady Zno die-casting Mechanical data Material data Zno die-casting Mechanical data Maunting data Zno die-casting Mechanical data Maunting data Zno die-casting Mechanical data Maunting data Zno die-casting Mourning method insertied, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max.	Operating voltage AC max.	50 V
Operating voltage AC (UL, Hister) 90 V Operating voltage AC (UL, Hister) 90 V Concerning performation periodical mask. 4 A Device protection (EN EC 00529) IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Polition Degree 3 Rated surge voltage 1,5 KV Material grady (EC 06684-1) I Mechanical data Material data Coating locking Material grady (EC 06684-1) I Metrial grady (EC 06684-1) I Medical locking Nickeled Material grady Zno die-casting Mechanical data Material data Zno die-casting Mechanical data Maunting data Zno die-casting Mechanical data Maunting data Zno die-casting Mechanical data Maunting data Zno die-casting Mourning method insertied, screwed, Shaking protection Environmental characteristics Climatic Operating temperature max. Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max.		60 V
Operating voltage DC (UL-listed) 90 Y Current operating per contact max. 4 A Device protection [Electrical Despree of protection (Electrical Despree of protection (Electrical Additiona condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (EC 80664-1) i Mechanical data [Material data Coaling locking Material housing PUR Locking material Zmc die-casting Meterial data [Mounting data Coaling locking Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Coaling locking Operating temperature min. -25 *C Operating temperature min. -00 *C Additional condition temperature range		30 V
Current operating per contact max. 4 A Device protection Electrical Degree of protection (EN EC 60529) IP65, IP67, IP68, IP66K Additional condition protection degree is Patted surge voltage 1.5 kV Material group (IEC 60664-1) 1 Mechanical data Material data Coating locking Material gaset FKM Material gaset FKM Material gaset FKM Mechanical data Monting data Zinc die-asaling Mochanical data Mounting data Mounting method Mounting method inserted, sorewed, Shaking protection Environmental characteristics Climatic Operating temperature max. Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Note on stain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Cheavee the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Protect the connectors by suitable measures		30 V
Degree of protection (EN IEC 60529) IP65, IP67, IP68, IP66K Additional condition protection degree inserted, screwed Pollution Degrees 3 Rated surge voltage 1,5 KV Material group (IEC 6064-1) 1 Vechanical data Material data Cating locking Cating locking Nickeled Material gasket FKM Material gasket JP. Rickeled Locking material Zinc dio casting Vechanical data Mounting data Inserted, screwed, Shaking protection Environmental characteristics [Climatic Competitions metabolism temperature max. Operating temperature max. 85 °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 tites. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tites. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tites. Note on strain relief Protect the connectors by suitable measures from me	Current operating per contact max.	4 A
Additional condition protection degree inserted, screwed Politicito Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) 1 Mechanical data Mechanical data Coating looking Nickeled Material gaste FKM Material gastet FKM Material gastet FKM Mechanical data Mounting data Zino dis-casting Mechanical data Mounting data Mounting method Mounting method inserted, screwed, 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 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 strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Ca	Device protection Electrical	
Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) 1 Mechanical data [Material data Coating locking Coating locking Nickeled Material gasket FKM Material gasket FKM Material locking PUR Locking material Zinc die-casting Mechanical data [Mounting data Inserted, screwed, Shaking protection Environmental characteristics [Climatic Operating temperature min. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on stain relief Note on stain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces. Cable Identification 610 Cable Vipp 1 Lacket Color black Type of Cartilicate cURus Amount stranding 1	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 locing Nickeled Nickeled Material gasket FKM Material gasket FKM Material jasket FKM Material locing PUR Locking matrinal Zinc die-casting Mechanical data Mounting data Inserted, sorewed, Shaking protection Environmental characteristics Climatic Operating temperature min. Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature may. depending on cable quality Important installation notes Note on bending radius Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP prot	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1) I Mechanical data Material data Coating looking Nickeled Material gasket FKM Material gasket FKM Material gasket FKM Material gasket FKM Material gasket Jan die-cassing Mechanical data Mounting data inserted, screwed, Shaking protection Environmental characteristics Climatic C Operating temperature max. 85 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important listallation notes Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be andingered by accessive bending forces. Conformity Product tatendard Protect tate 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 andingered by accessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable dentification Cabl	Pollution Degree	3
Mechanical data Material data Coating locking Nickeled Material gasket FKM Material lousing PUR Locking material Zin cile-casting Mechanical data Mounting data Inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature main. Operating temperature main. -25 °C Operating temperature main. 85 °C Additional condition temperature 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. Conformity Environ: Product standard DIN EN 61076-2-114 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable identification Cable identification 610	Rated surge voltage	1,5 kV
Coating tooking Nickeled Material pasket FKM Material housing PUR Looking matterial Zinc die-casting Mechanical data Mounting data inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature main. Operating temperature main. -25 °C Operating temperature main. -85 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain reliof Note on strain reliof Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on strain reliof Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on strain reliof Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on strain reliof Diverserve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Installation [Cable Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation [Cable Gulf definition Gable identification	Material group (IEC 60664-1)	
Material gasket FKM Material housing PUR Locking material Zinc die-casting Mechanical data Mounting data Mounting method 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 Important Installation notes Note on strin relief 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 Cable identification Cable identification 610 Cable identification 610 Cable identification 1 Jacket Color black Type of Certificate cURus Anount stranding 1 Stranding 3 wires twisted Wrie arrangement brown, black, blue Cable weigth </td <td>Mechanical data Material data</td> <td></td>	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 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 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 Cable identification Cable identification 610 Cable identification 610 Cable identification 610 Cable identification 1 Jacket Color black Type of Certificate cuRus Anount st	Coating locking	Nickeled
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 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 strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable identification Cable identification 610 Cable identification 610 Cable Vopp 1 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material wire insulac	Material gasket	FKM
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 maye 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 strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Installation coles Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Installation (Cable Cable identification Gable identification 610 Cable identification Gable Color black Type of Certificate cURus Amount stranding 1 Stranding 1 Stranding 3 wires twisted Wrie arrangement brown, black, blue Cable weight 29.37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket)		PUR
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature main. -25 °C Operating temperature max. 85 °C Additional condition temperature may 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. Conformity Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contomity Installation Cable Cable identification 610 Cable identification 610<	Locking material	Zinc die-casting
Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes 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 Cable identification 610 Cable identification 610 Cable Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free	Mechanical data Mounting data	
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 DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable identification 610 Cable identification 610 Cable Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Wrie arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insu	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable identification 610 Cable identification 610 Cable identification Cable identification 610 Cable identificate Type of Certificate cURus Amount stranding Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± \$ Shore A Freedom from ingredients (jacket) lead-free, cadmum-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) 4,5 mm Tolerance outer	Environmental characteristics Climatic	
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable identification 610 Cable identification 610 Cable identification Cable identification 610 Cable identificate Type of Certificate cURus Amount stranding Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± \$ Shore A Freedom from ingredients (jacket) lead-free, cadmum-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) 4,5 mm Tolerance outer	Operating temperature min	-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 DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) Installation Cable Cable identification 610 Cable identification 610 Cable Identificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,37 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3		
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 CableCable identification610Cable identification610Cable Jype1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3		
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 Cable identification 610 Cable identification 610 Cable K Type of Certificate cURus Amount stranding 1 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Write arrangement brown, black, blue PVC Cable weigth 29,37 g/m Attention: CFC-free, silicone-free Outer-diameter (jacket) I lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 E S S		
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 Cable identification 610 Cable identification 610 Cable identification 610 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Stranding 3 wires twisted Stranding 9 (Stranding) 9 (Stranding) Material jacket PVC Stranding 9 (Stranding) 9 (Stranding) 10 (Stranding) Material jacket PVC Stranding 5 (Strandin		Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation CableCable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Installation CableCable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3	Conformity	
Cable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPVCAmount wires3	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)
Cable identification610Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (sheath)± 5 %Material wire insulationPVCAmount wires3	Installation Cable	
Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3	·	610
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3		
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3		black
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3		
Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3		1
wire arrangementbrown, black, blueCable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3		
Cable weigth29,37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3		
Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3		
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3		-
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3		85 ± 5 Shore A
Tolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation PVC Amount wires 3	Outer-diameter (jacket)	4,5 mm
Amount wires 3		±5%
	Material wire insulation	PVC
Outer diameter insulation 1.25 mm	Amount wires	3
	Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation ±5%	Outer diameter tolerance core insulation	± 5 %

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: 2024-04-30



Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
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)	0° ℃
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	0° ℃
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
	about, application related testing Div Erv boorn 404
Bending radius (fixed)	5 x Outer diameter

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: 2024-04-30