

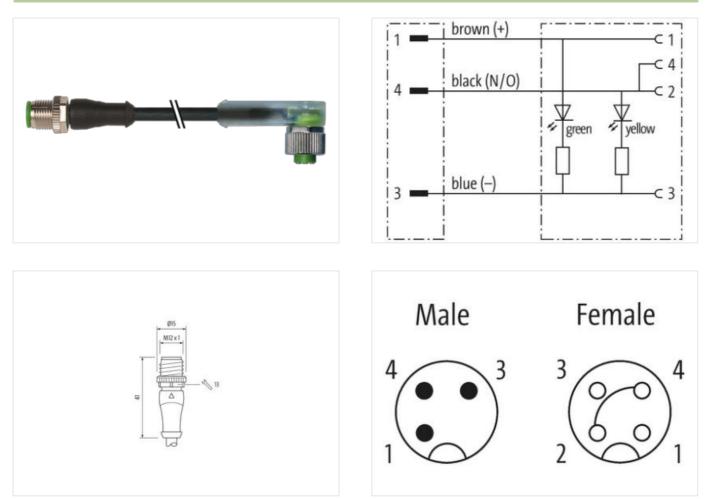
M12 male 0° / M12 female 90° A-cod. LED

PVC 3x0.34 bk UL/CSA 2m

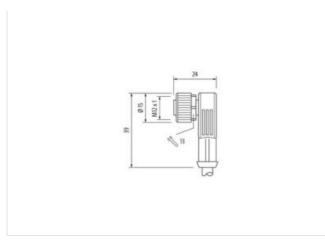
Male straight – female 90° M12 – M12, 3-pole 2× LED (PNP), (NPN) on request Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	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	4048879167536
Packaging unit	1

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: 2024-05-18

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl



Electrical data | Supply

Material jacket PVC Shore hardness jacket 85 ± 5 Shore A	Electrical data Supply	
Operating voltage DC max. (U-listed) 90 V Operating voltage DC max. (U-listed) 90 V Content operating per contact max. 4 A Installation I Connection Max N Device production [Exercical Max N Additional condition protection degree instruct, screwed Pulvion Degree 9 Rated surp voltage A 0.8 NV Material group (IEC 8064-1) 1 Mechanic dottage instruct, screwed Catating toking Nickeled Coating toking Nickeled Coating toking Tok discasting Material group (IEC 8064-1) 1 Material screw connection Znc discasting Mechanic dottage tomarchice, Olimatic Operating tomarchice, Operating tomarchice, Operating tomarchice, Operating control tomarchice, Operating control control tomarchice, Operating control	Operating voltage DC	24 V
Operating per contact max. 90 V Current operating per contact max. 4 A Installation [Connection Murrent operating per contact max. Bevice protection Electrical Murrent operating per contact max. Additional condition protection obgroe insented, screwed Polution Degree 3 Bated surge voltage 0.8 kV Meterial group (EC 80604-1) 1 Meterial group (EC 80604-1) 2 Markinal scree meterial Z Mounting method inserted, screwed, Shaking protection Envir	Operating voltage DC min.	18 V
Current operating per contact max. 4 A Installation Connection Munding set M12 x 1 Device protection Electrical Additional doodling protection degree Additional condition protection degree 9 Rated surge voltage 0.8 kV Machanic data 0.8 kV Machanic data[Material data 0.8 kV Machanic data[Material data 0.8 kV Machanic data[Material data 0.8 kV Coating to King Nickeled Coating to King Rometral casting Material scrow connection Znc die-casting Munding muthor Insertid, scrowed. Shaking protection Environmental characteristics Climatic Operating integerature max. Operating integerature max. 85 °C Additional condition notes	Operating voltage DC max.	30 V
Instalistion Connection Mounting set Mit x 1 Device protection [Electrical Mounting context in serviced, screwed Paliand context in protection degree 3 Raider agroup (Elec 60664-1) 1 Mounting group (Elec 60664-1) 1 Material group (Elec 60664-1) 1 Cataling continue (Elec 60664-1) 1 Material group (Elec 60664-1) 1 Cataling continue (Elec 60664-1) 1 Cataling continue (Elec 60664-1) 1 Material agroup (Elec 60664-1) 1 Cataling continue (Elec 60664-1) 1 Material agroup (Elec 60664-1) 1 Cataling continue (Elec 60664-1) 1 Material agroup context context 7 Cataling continue material 2 Operating temperature material 6 Operating temperature material 6 Operating temperature material 6 Operating temperature material coll do size (Ele contextors by suitable measures from mechanical colad. e.g. by the usage of cable 68. Nate on size in coll contextors by suitable measures from mechanical colad. e.g. by the usage of cable 68. <	Operating voltage DC max. (UL-listed)	30 V
Maining and M12.x 1 Device protection Electrical Imanated, screwed Additional condition protection diagree 3 Rated surge voltage 0.8 kV Material group (ExoBed+1) 1 Interial protection (ExoBed+2) Nickeled Cating to ExoBed+10 Nickeled Material screw connection Nickeled Cating to ExoBed+10 Incoreasting to ExoBed+10 Protocomental characteristics (ExoBed+10 Incoreasting to ExoBed+10 Parating tomperature max 68 °C Additional condition tomperature max 68 °C Note and sind field Protocomectors by suitable measures from mechanicel loads, e.g. by the usag	Current operating per contact max.	4 A
Device protection Electrical Additional condition protection degree inserted, acrewed Pation Degree 3 Rated surge voltage 0.8 kV Material group (EC 6066-1) 1 Material group (EC 6066-1) incisel plated Coating off fitting nickel plated Coating off fitting incisel plated Material screw connection Zinc die-casting Material screw connection Inserted, acrewed, Shaking protection Material screw connection Sine die-casting Mouting mathod inserted, acrewed, Shaking protection Material screw connection Sine die-casting Mouting mathod inserted, acrewed, Shaking protection Material screw connection Sine die-casting Operating temperature min. 25 °C Operating temperature max. 86 °C Additional dotalition tomes dieserding Interter terme dieserding Material protection temperature max. 86 °C Additional dotalition tomes dieserding Interter terme dieserding Defating temperature m	Installation Connection	
Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 0.8 kV Rated surge voltage Acked surge v	Mounting set	M12 x 1
Pollution Degree 3 Rited surge voltage 0,8 kV Material surge (506964-1) 1 Mechanical data Material data Coating folding Nockeld Coating folding Coating folding Nickeld Coating folding Nickeld plated Locking material Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Material screw connection Zinc die-casting Munting method inserted, screwed, Shaking protection Environmental Characteristics Climatic Co- Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Note on brain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contornity Inserted. Product standard DIN EN 61078-2-101 (M12) Installion Cable Cable type Cable identification 613 Cable rype 1 Jacket Color Diake Type of Certificate UHRus A	Device protection Electrical	
Rateo aurgo voltage 0.8 kV Material group (EC 6064-1) I Mechanical data Material data Casting loching Casting loching of fitting nickel plated Casting loching of fitting nickel plated Material group (EC 6064-1) Zinc die casting Material group we connection Zinc die casting Material group membrative max 85 °C Operating temperature max. 85 °C Additional condition temperature max 85 °C Note on strain rollof Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on bending radus Attention: Observe the permissible bending radi when laying cables, as the IP protection class can be ending radius Cable othertlication 613 Cable othertlication 613 Cable Color black Type of Certritate URus Amount stranding 1 <td>Additional condition protection degree</td> <td>inserted, screwed</td>	Additional condition protection degree	inserted, screwed
Material group (EC 60664.1) I Mechanical data [Material data Vickled Coating of Nitrg nickle plated Cacking naterial Zinc die-casting Material screw connection Zinc die-casting Mechanical data [Mounting data Mechanical data [Mounting data Mechanical data [Mounting data Inserted, screwed, Shaking protection Environmental characteristics [Climatic Operating temperature main. Operating temperature main. 65 °C Additional condition temperature range depending on cable quality Important installation notes Note on strain relef Note on strain relef Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable fees. Note on strain relef Note Strain Group (M12) Installation Cable Cantomity Product standard DIN EN 81076-2-101 (M12) Installation [Cable Gale demilication Cable demilication G13 Cable door Usaka Product standard Sin Sin Fried Strainfig 3 wires twited Material jacket Si + 5 Sin Fried		3
Material group (EC 60664-1) I Mechanical data [Material data Coaling of Kinkled Coaling of King nickle plated Cooling of King nickle plated Coaling of King nickle plated Coaling of King Nickle data Mechanical data [Mounting data Inserted, screwed, Shaking protection Environmental characteristics [Climatic Cooling of King Operating temperature min. 25 °C Operating temperature min. 65 °C Additional condition temperature range depending on cable quality Important installation notes Vice on train reliof Note on strain reliof Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable fees. Attention: Observe the permissible bending natii when laying cables, as the IP protection class can be endangered by accessive bending forces. Contormity Installation (Cable Cable Identification G13 Cable Identification G13 Cable Color black Type of Certificat CURus Anount stranding 1 Stranding a wres twinted	-	0,8 kV
Mechanical data Material data Coating looking Nickelod Coating of fitting nickel plated Locking material Zine die-casting Material sorew connection Zine die-casting Mechanical data Mounting data Inserted, screwed, Shaking protection Mechanical data Mounting data Inserted, screwed, Shaking protection Coperating temperature min. -25 °C 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 files. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable files. Note on bending radius Attention: Observe the partise/bile bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces. Contromy Unick strandard Product standard Disk N 61076.2.101 (M12) Diskel for Cable cable force, cables, as the IP protection class can be endangered by accessive bending forces. Stranding 3 wires twisted Type of Certificate c UBus		
Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Material serve connection Zine die-casting Mechanical data Mounting data Incerted, servewd, Shaking protection Environmental characteristics Climatic -25° °C Operating temperature min. 25° °C Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Note on stain riself Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on stain riself Dink En tors: Observe the permissible berding radii when laying cables, as the IP protection class can be ending forces. Contomity Endurgered by excessive bending forces. Cable Type 1 Cable Toph 1 Standard DIN EN 61076 2-101 (M12) Installation [Cable Gostificate Append testification 613 Cable Toph 1 Standing 3 wires twisted		
Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data Mounting data inserted, screwed, Shaking protection Environmental characteristics Clinatic Operating temperature man. Operating temperature man. -25 °C Operating temperature man. 85 °C Additional condition temperature range depending on cable quality Importal 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. 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) Installation Cable Cable Type Cable Type 1 Jackert Color black Type of Carificata cLRFus Anount stranding 1 Stranding 3 wires twisted wire arangement brown, black, blue Cable weight 35.4 5 Shore	·	Nickeled
Locking material Zinc die-casting Material server connection Zinc die-casting Mechanical data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Environmental characteristics Climatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional condition temperature max 85 °C Additional condition temperature max 85 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conormity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification Gabie identification 613 Cable identification 613 Cable view time Cull Rus Amount straing 1 Jacket Color black Type of Certificate cull Rus Cable weight 34.1 (gm Material jacket PVC Shore Altrese, slacket 5		
Material screw connection 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 may. 85 °C Additional condition temperature max. 85 °C Additional condition temperature may. 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 strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Contornity Note on strain relief DIN EN 61076-2-101 (M12) Installation Cable Cable identification 613 Cable identification 613 Cable identification 613 Cable identification 613 Cable identification 1 Jacket Color black Type Clificate Clificate Vice arrangement brown, black, blue Cable weigth 34,1 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredi		
Mechanical data Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic		-
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 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 estimated and of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable ionforaction 613 Cable ionfication 613 Cable ionfication Gack Type of Certificate cURus Amount stranding 1 Jacket Color black Singer Gable weigh Siranding 3 wires twisted Singer Gable weigh Vier arrangement brown, black, blue Cable weigh Si S Shore A Freecom from ingredients (jacket) lead-free, cadmiu		2.110 010-04361119
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 stain relief Note on bending radius Artention: Observe the permissible bending radii when laying cables, as the IP protection class can be endengred by excessive bending forces. Conformity Environmental characteristics Climatic Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification Cable Type 1 Jacket Color black Type of Certificate cURus Artoning 1 Gable weigh 34:1 g/m Material jacket DVC Stranding 1 Gable weigh 34:1 g/m Material jacket PVC Shore A Environmenter (acket) Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (sheath) ± 5 % Material jacket PVC Anount wires		
Operating temperature min. -25 °C 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. 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) Installation Cable Cable Identification Cable Identification 613 Cable Identification 613 Cable Identification 1 Stranding 1 Stranding 1 Stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 34,1 g/m Material jackt PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 4.6 mm <t< td=""><td></td><td>Inserted, screwed, Shaking protection</td></t<>		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) Installation Cable Cable fortilication 613 Cable Type 1 Jacket Color black Type of Certificate cuRus Attention: Observe the permissible bending forces. Amount stranding 1 Stranding Stranding Stranding \$ wires twisted Wire arrangement brown, black, blue Cable weigh 34,1 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) 4.6 mm Coleranco aucir diameter (sheath) ± 5 %	Environmental characteristics Climatic	
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. 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) Installation Cable Cable identification 613 Cable identification 613 Cable Color black Type of Cartificate cURus Amount stranding 1 Stranding 3 vires twisted wire arrangement brown, black, blue Cable weigh 34,1 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 4,6 mm Tolerance cut diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter (sheath) ± 5 Shore D Material wire insulation 45 ± 5 Shore D Material properities wire insulation 45 ± 5 Sho	Operating temperature min.	-25 °C
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) Installation Cable Cable identification Cable identification 613 Cable I/opp 1 Jacket Color black Type of Certificate cJRus Mount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 34,1 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 (sheath) ± 5 % Material wire insulation PVC Anount wires 3 Outer diameter (isheath) ± 5 % Shore hardness wire insulation 1,25 mm </td <td>Operating temperature max.</td> <td>85 °C</td>	Operating 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 endangered by excessive bending forces. Conformity Image: Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Conformity Cable identification 613 Cable identification 613 Cable I opp 1 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 34,1 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, camium-free, CFC-free, silicone-free Outer diameter (iscket) 4.5 m Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm <td>Additional condition temperature range</td> <td>depending on cable quality</td>	Additional condition temperature range	depending on cable quality
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 Image: State of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Image: State of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Image: State of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity DIN EN 61076-2-101 (M12) Installation Cable Cable identification Cable identification 613 Cable Type 1 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Wire arrangement brown, black, blue Cable weigth 34,1 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC <td>Important installation notes</td> <td></td>	Important installation notes	
Note on behaning radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification 613 Cable identification 613 Cable Zolor black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 34,1 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) 4.6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation 4.5 ± 5 Shore D Material properties wire insulation 5 ± 5 Shore D	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standardDIN EN 61076-2-101 (M12)Installation CableCable identification613Cable identification613Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34.1 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 wires3Outer diameter (sheath)± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Note on bending radius	
Installation CableCable identification613Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Conformity	
Cable identification613Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 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 wires3Outer diameter (bleath)± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Product standard	DIN EN 61076-2-101 (M12)
Cable Type1Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Installation Cable	
Jacket ColorblackType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket) $4,6$ mmTolerance outer diameter (sheath) ± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation ± 5 %Shore hardness wire insulation 45 ± 5 Shore DMaterial properties wire insulation 45 ± 5 Shore D	Cable identification	613
Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Cable Type	1
Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter rolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Jacket Color	black
Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Type of Certificate	cURus
wire arrangementbrown, black, blueCable weigth34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Amount stranding	1
Cable weight34,1 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Stranding	3 wires twisted
Material jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulationgood machinability	wire arrangement	brown, black, blue
Material jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulationgood machinability	Cable weigth	34,1 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Material jacket	PVC
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Shore hardness jacket	85 ± 5 Shore A
Outer-diameter (jacket)4,6 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability		4,6 mm
Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability	Tolerance outer diameter (sheath)	±5%
Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinability		
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability		
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability		
Shore hardness wire insulation 45 ± 5 Shore D Material properties wire insulation good machinability		
Material properties wire insulation good machinability		
		- /
	ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free

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: 2024-05-18

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl



Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 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	6 A
Electrical resistance line constant wire	57 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	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 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: 2024-05-18 Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl