

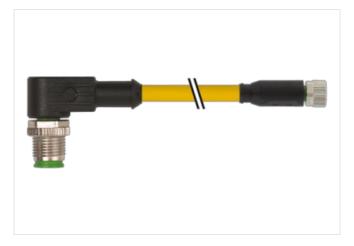
M12 male 90° / M8 female 0° A-cod.

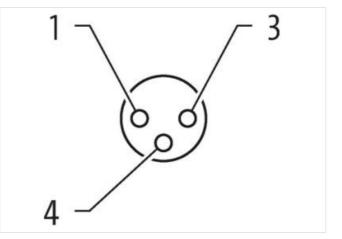
PVC 3x0.25 ye UL/CSA 4m

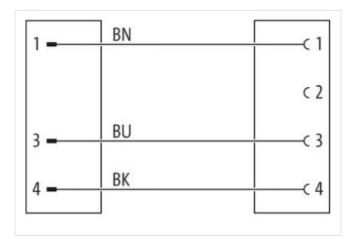
Male 90° – female straight M12 – M8, 3-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

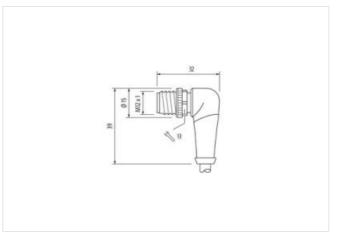
Link to Product

Illustration



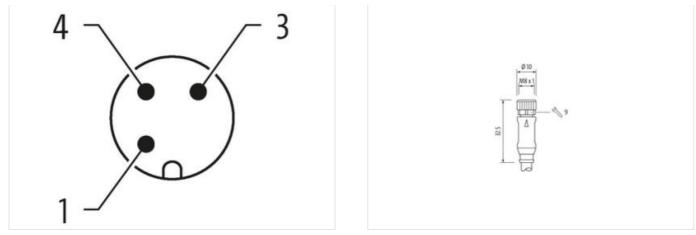






The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-13





Product may differ from Image



Cable length	4 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP66K, IP67
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	4048879325363
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-13



Control registration Prove protection [Electrical] Additional condition protection degree insarted, screwed Rated surge voltage 1,5 kV Mechanical disk [Material data Control of directrical protection Material screw connection 2,7 e die-assing Mechanical disk [Moterial data Control of directrical protection Environmental characteristics [Climatic Control of directrical protection Environmental characteristics [Climatic Control of directrical protection Copenaling inspiration environmental	Current exercting new context may	4 A
Additional condition protection dugue Inserted, serveed Rand surge voltage Is kV Mechanical disk Metain dat Casting of fitting Inckel plated Material acrew connection Zhor Gia-casting Material acrew connection Zhor Gia-casting Mechanical disk (Journing dat Environmental characteristics (Climate Covering tegmeshare min. So 'S 'S Operating tegmeshare min. So 'S 'S Covering tegmeshare So of the source transmitter from mechanical loads, e.g by the usage of cable teg. Note on tearing reliaf Protect the connectore by suitable measures from mechanical loads, e.g by the usage of cable teg. So of the source tegmeshare tegmeshare Source the connectore by suitable measures from mechanical loads, e.g by the usage of cable tege Source tegmeshare Source Source tegmeshare Source Sou	Current operating per contact max.	4 A
Nated surge voltage 1,5 kV Machanical data [Material data Include plated Addation of fining nickel plated Machanical data [Mouring data Include casting Munifing mathon inserted, screwed, Shaking protection Environmental characteristics [Climate Operating temperature max. Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Inserted: the connectors by suitable measures from mechanical loads, e.g. by the usage of cable rise. Note on strain ealed Protect: the connectors by suitable measures from mechanical loads, e.g. by the usage of cable rise. Note on bending radius Attention: Obow the parmitetible bonding radiu when taying cables, as the IP protection diass can be endingered by excessive bending forces. Installation (Cable Usage of cable rise. Cable login 1 Startaling yellow Type of Catrinate Clifus Anount startaling 1 Startaling Startaling Outer damard wire insulation PVC Starta damare goaled Startadmare stalis on training side <t< td=""><td>Device protection Electrical</td><td></td></t<>	Device protection Electrical	
Mechanical data [Material data Initial Coaling of litting nickel plated Material carve convention Zine die casting Mechanical data [Mounting data] insentet. screwed, Shaking protocilon Environmental characteristics [Climate] Operating temperature min. 25 °C Operating temperature max. 85 °C Addination continot temperature renares depending on cable quality Important instaliation notes Meterit conventory by suitable measures from mechanical loads, e.g. by the usage of cable fees. Note on tending radius Attention: Convento the pumitable bunding radiu thema laying cables, as the IP protocion class can be endangened by excessive bending forces. Installation field 910 Statemater Statemater Cable identification 010 Cable identification Gable Statemater Statemater parker 910 w Statemater Statemater parker Protoc Gable Statemater Statemater parker Protoc Gable Statemater Statemater parker Protoc Gable Statemater Statemater Statemater Statemater Statemater </td <td>Additional condition protection degree</td> <td></td>	Additional condition protection degree	
Caling of Itiling nickel plated Material scow connection Zin de-casting Mechanical data / Mounting data Inserted. screwed. Shaking protection Environmental characteristics (Climatic 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 Important installation notes Note on strain origid Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tos. Additional for Cable June Connectors by suitable measures from mechanical loads, e.g. by the usage of cable tos. Additional for Cable June Connectors by suitable measures from mechanical loads, e.g. by the usage of cable tos. Additional for Cable June Confination June Confirm Operating temperature max. Baser Strain	Rated surge voltage	1,5 kV
Material screw connection Zim c die-casting Mechanical data [Mounting data Mounting mathod inserted, screwed, Shaking protection Environmental characteristics [Climatic Constraint of the screwed, Shaking protection Operating temperature max. 85 °C Additional conditions 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 fee. Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be and angered by accessive bending torces. Databilizion 010 Cable identification 010 Cable identification 011 Stranding 1 Joseft Color y ellow Type of Certificate 0U/Fus Amount stranding 1 Stranding 3 wites twisted Weat as a protection by suitable measures from mechanical loads, e.g. by the usage of cable tes. Cable identification 010 Cable of conflicate 011 Cable identification 010 Cable identification 010 <td>Mechanical data Material data</td> <td></td>	Mechanical data Material data	
Mechanical data Mounting dataMounting mothodinserted, screwed. Shaking protectionEnvironmental characteristics ClimateCoperating temperature min.25° °COperating temperature min.Operating temperature max.85° °CAdditional condition temperature rangedepending on cable qualityImportant instaliation notesTentes the connectors by suitable measures from mechanical loads, e.g. by the usage of cable bies.Note on banding radiusAttention: Coberre the parnisabile bending radii when laying cables, as the IP protection class can be enclosingened by socetable bending tories.Cable don Millection010Cable Type1Cable Good TigotyellowType of CartificationUPRusAnnount stranding1Stranding3 wares heatedWries arrangementbrown, black, blueCable don ingridents (gacht)Jasket ColoShard Ares (gacht)32 % somCable donalization92 % Construction for the subtore freeCable donalization92 % TypeShard Ared (gacht)45 % 55 Shore AFreedom from ingrodents (gacht)15 %Card-diameter (isolato)125 mmCuder-diameter (isolato)125 mmCuder-diameter (isolato)125 mmCuder-diameter isolation15 %Shore Ardness wire insulation92 % Strome ACardiameter isolation15 %Shore Ardness wire insulation92 % Construction freeCard-diameter (isolato)125 mmCuder-diameter isolation125 % <td>Coating of fitting</td> <td>nickel plated</td>	Coating of fitting	nickel plated
Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic	Material screw connection	Zinc die-casting
Environmental characteristics Climatic 25 °C Operating temperature min. $-25 °C$ Operating temperature max. $85 °C$ Addional condition temperature range depending on cable quality Important installation noiss Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Installation Cable Cable identification 010 Cable identification 010 Cable identification Abstrain Park culfus Culfus Amount stranding 1 Stranding Yape of Carlificate culfus Culfus Amount stranding 1 Stranding Weat arrangement brown, black, blue Cable weight Cable identification 9.97 µm Material jocket 85 ± 5 Shore A Freedom from ingredients[(gaket) 163 ± 5 % Material write insulation Outer diameter (wheath) $\pm 5 %$ Store hardnesse insulation Outer diameter (wheath) $\pm 5 %$ Material properies wire insulation	Mechanical data Mounting data	
Environmental characteristics Climatic 25 °C Operating temperature min. $-25 °C$ Operating temperature max. $85 °C$ Addional condition temperature range depending on cable quality Important installation noiss Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Installation Cable Cable identification 010 Cable identification 010 Cable identification Abstrain Park culfus Culfus Amount stranding 1 Stranding Yape of Carlificate culfus Culfus Amount stranding 1 Stranding Weat arrangement brown, black, blue Cable weight Cable identification 9.97 µm Material jocket 85 ± 5 Shore A Freedom from ingredients[(gaket) 163 ± 5 % Material write insulation Outer diameter (wheath) $\pm 5 %$ Store hardnesse insulation Outer diameter (wheath) $\pm 5 %$ Material properies wire insulation	Mounting method	inserted, screwed, Shaking protection
Operating temperature min25 °COperating temperature max.85 °CAdditional contibution temperature max.85 °CNote on stain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.Note on stain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes.Instain cliefProtection Cobserve the permissible bending radii when laying cables, as the IP protection class can be endangered by encessive bending lores.Installication CableCable identificationCable identification010Cable formitication010Cable CoolyellowType of CertificatCJUsAmount stranding1StrandingS wires twistedwire arrangementbrown, black, blueCable dentification9.9 37 g/mMaterial jacket5 °S 50 fore AFreedon from ingredents (jacket)1.5 %Material wire insulation9.2 °S mathematicationOuter diameter (sheath)± 5 %Material wire insulation9.2 °S mathematicationOuter diameter (sheath)± 5 %Material properties wire insulation4 5 ± S Shore DMaterial properties wire insulation4 5 ± S Shore DMaterial properties wire insulation4 5 ± S Shore DOuter diameter (sheath)± 5 %Material wire insulation9.2 °S mathematicationOuter diameter (sheath)± 5 %Material properties wire insulation4 5 ± S Shore DMaterial properties wire insulat	-	
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. Installation (Cable Cable identification 010 Cable identification 010 Cable Type Cable identification 010 Cable Type Scheet Core yellow Type of Cartificate OUFus Amount stranding 1 Stranding 3 wires twisted Wire arrangement Brown, black, blue Cable weight 29,37 g/m Material jacket PVC Stranding Cuber diameter (jacket) 4.5 mm Colectore Cuber diame		-25 °C
Additional condition temperature range depending on cable quality Important installation notes Mote on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on banding radius Attention: Cbeserve the permissible bonding radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation Cable 010 Cable cleantification 010 Cable Cleant yellow Type of Certificate OFFUs Amount stranding 1 Stranding 3 wires twisted wire arrangement Drown, black, blue Cable weight 29.37 g/m Material jacket PVC Stranding 3 wires twisted wire arrangement Drown, black, blue Cable weight 29.37 g/m Material jacket PVC Stranding 3 wires twisted outer diameter (lacket) 45 fs Amount twines 3		
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 forces. Installation (Cable Cable opending radiu when laying cables, as the IP protection class can be ending forces. Cable International Cable 010 Cable Open 1 Jacket Color yellow Type of Certificate cURus Amount Stranding 1 Stranding 3 wires wisted wire arrangement brown, black, blue Cable weight 28.5 g for A Freedom from ingredients ((acket) 18.5 f Shore A Freedom from ingredients ((acket) 18.5 f Sm Outer diameter (gacket) 18.5 f Sm Attental poster 3 Outer diameter insulation PVC Attentions insulation PVC Attention site insulation PVC Attention site insulation PVC Attention site insulation 1.5 fs Outer diameter insulation 1.25 mm Outer dinameter		
Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be and angered by excessive bending forces.Installation CableImage: Cable dentification010Cable identification010Image: Cable dentificationJacket ColoryellowYellowType of CertificatecuFrusCable dentificationAmount stranding1Image: Cable dentificationStranding3 wires twistedwire arrangementbrown, black, blueCable weight29,37 g/mMaterial jacktPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter diameter (jacket)1.5 %Material wei insulationPVCAmount Wires3Outer diameter insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter insulation1.25 mmCaductor or cosseccion (wire)0.25 mm²Canductor wireStranded capper wire, bareConductor wire		
Note on bending radius Attention: Observe the parmissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation (Cable) Cable identification 010 Amount stranding 1 Stranding 3 wires twisted wire arrangement Drown, black, blue Cable weight 29.37 g/m Material jacket PVC Stranding from ingredients (gacket) 16.5 f.5 Shore A Freedom from ingredients (gacket) 4.5 f.5 m Outer diameter (lawlet) 1.5 % Material wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation	•	
Note and any radius endangered by excessive bending forces. Installation Cable Cable identification 010 Cable identification 010 Cable identification 010 Cable Type 1 Jacket Color yellow Type of Colfficate cUBus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 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 rm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 3 Outer diameter folerance core insulation ± 5 % Shore hardness wire insulation 4 5 % Shore hardness wire insulation 1.25 rm Outer diameter folerance core insulation 4 5 % Shore hardness wire insulation lead-free, cadmium-free, CFC-f	Note on strain relief	
Cable identification010Cable identification010Cable Type1Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weight29.37 g/mMaterial jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jackot)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4.5 mmTolerance outer diameter (sheath)± 5 %Material yeis wire insulationPVCAmount wires3Outer diameter (sheath)± 5 %Shore hardness wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Material yein glow wire insulation4 ± 5 Shore DMaterial yein glow wire insulation4 ± 5 Shore DMaterial yein glow wire insulation4 ± 5 Shore DMaterial properties wire insulation4 ± 5 Shore DMaterial properties wire insulation14Diameter of single wires0.15 mmConductor wireStrand closes 5Nominal voltage AC max.300 VCurrent load capacity (shandard)to DIN DE 028-4Current load capacity (shandard)to DIN WDE 028-4Current load capacity (shandard)to DIN WDE 028-4Current load capacity (shandard)to DIN WDE 028-4Current load capacity (wirstand voltage (wire - yire)2 kV @ 60 sPower frequency withstand voltage (wire - yir	Note on bending radius	
Cable Type1Jacket ColoryellowType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigh29,37 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 (shealth)± 5 %Material jackitPVCAmount stranding3Outer diameter (iscket)1,25 mmOuter diameter (iscket)1,25 mmOuter diameter (iscket)1,25 mmOuter diameter (iscket)4,5 mmOuter diameter (iscket)1,25 mmOuter diameter (iscket)1,25 mmOuter diameter (iscket)4,5 ± 5 Shore DMaterial properties wire insulation1,25 mmOuter diameter tolerance core insulation4,5 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)1,4Diameter of single wires0,15 mmConductor type (wire)Stranded copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Stranded copper 4,5 ACurrent load capacity (istandard)to DIN VDE 0298-4Current load capacity (istandard)	Installation Cable	
Jacket ColoryellowType 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 wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial wire insulation1.25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulationgood machinabilityIngredient freeness wire insulationgood machinabilityIngredient freeness wire insulation0.15 mmConductor crossection (wire)0.25 mm²Conductor viresStranded copper wire, bareConductor viresStranded copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (istandard)to DIN VDE 028-4Current load capacity min. wire4.5 AElectrical resistance line constant wire79 Ω /km @ 20 °CAC witstand voltage (wire - wire)2 kV @ 60 sPower frequency witstand voltage (wire - wire)2 kV @ 60 s	Cable identification	010
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 wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation4.5 5 Nore DMaterial properties wire insulation4.5 ± 5 Shore DMaterial properties wire insulation4.5 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount wires3Concurr crossection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor crossection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent toad capacity (standard)to DIN VDE 0298-4Current toad capacity min. wire4.5 AElectrical resistance line constant wire79 Ω km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - wire)2 kV @ 60 s	Cable Type	1
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 outre diameter (sheath) $\pm 5 \%$ Material jacketPVCAmount wires3Outer diameter insulationPVCAmount wires3Outer diameter insulation1.25 mmOuter diameter insulation45 ± 5 Shore DMaterial properties wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0, 15 mmConductor respectively0.25 mm²Material conductor wireStrand clopper wire, bareConductor respectively0.15 mmConductor respectively0.25 mm²Material conductor wireStranded copper wire, bareConductor vireStrande clopper wire, bareConductor respectivelyStrand class 5Nominal voltage AC max.300 VCurrent load capacity (stindard)to DIN VDE 0298-4Current load capacity (min wire4.5 AElectrical resistance line constant wire79 $\Omega/km @ 20 °C$ AC withstand voltage (wire - wire)2 kV @ 60 sPower	Jacket Color	yellow
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 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D Material propeties wire insulation 45 ± 5 Shore D Material propeties wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 14 Diameter of single wires 0,15 mm Conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 </td <td>Type of Certificate</td> <td>cURus</td>	Type of Certificate	cURus
wire arangement 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 Outer diameter insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter insulation 4.5 ± 5 Shore D Material properties 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 wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Stranded ss 5 Nominal voltage AC	Amount stranding	1
Cable weight29,37 g/mMaterial jacketPVCShore hardness jacket 85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket) $4,5$ mmTolerance outer diameter (shealth) ± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation ± 5 %Shore hardness wire insulation $1,25$ mmOuter diameter tolerance core insulation ± 5 %Shore hardness wire insulation 45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor type (wire)Strandel copper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity withstand voltage (wire - rife) $2 kV @ 60 s$	Stranding	3 wires twisted
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 Outer diameter role outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation good machinability Ingredient freeness 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 orssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor wire Strand class 5 Nominal voltage AC max. 300 V Current load ca	wire arrangement	brown, black, blue
Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulationPVCAmount wires3Outer diameter outer diameter outer diameter outer diameter insulation $\pm 5 \%$ Muterial properties wire insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Material properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor type (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (win- wire) $2 kV @ 60 s$ Power frequency withstand voltage (wire - vire) $2 kV @ 60 s$	Cable weigth	29,37 g/m
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation± 5 %Material properties wire insulation± 5 %Shore hardness wire insulation± 5 %Material properties wire insulationgood machinabilityIngredient freeness wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strande copper wire, bareConductor type (wire)Strandel cass 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - iacket)2 kV @ 60 s	Material jacket	PVC
Outer-diameter (jacket)4,5 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 machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor sysee(strand)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN W@ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - iacket)2 kV @ 60 s	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) \pm 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1.25 mmOuter diameter tolerance core insulation \pm 5 %Shore hardness wire insulation $45 \pm$ 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strande class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 2098-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - ine)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Outer-diameter (jacket)	4,5 mm
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 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 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 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	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulationgood machinabilityMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Material wire insulation	PVC
Outer diameter tolerance core insulation± 5 %Shore hardness wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Amount wires	3
Shore hardness wire insulation45 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - inter)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Outer diameter insulation	1,25 mm
Material properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - jacket)2 kV @ 60 s	Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Shore hardness wire insulation	45 ± 5 Shore D
Amount strands (wire)14Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Material properties wire insulation	good machinability
Diameter of single wires0,15 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Conductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Amount strands (wire)	14
Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Diameter of single wires	0,15 mm
Conductor type (wire)Strand class 5Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 s		Strand class 5
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	-	
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		
AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s		
Power frequency withstand voltage (wire - 2 kV @ 60 s		
jacket)		2 kV @ 60 s
Min. operating temperature (static) -30 °C	jacket)	
	Min. operating temperature (static)	
Max. operating temperature (fixed) 80 °C	Max. operating temperature (fixed)	80 °C

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-13



Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 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: 2024-05-13