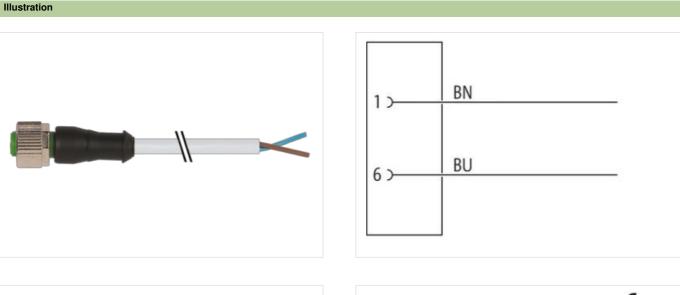


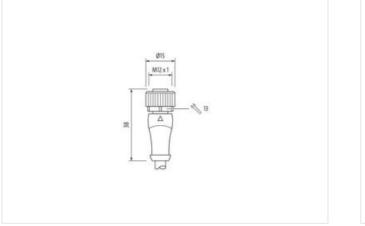
M12 female 0° A-cod. with cable

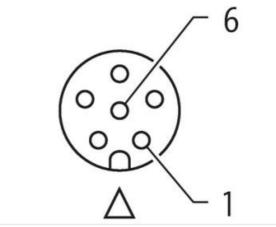
PUR 2x0.5 gy UL/CSA+drag ch. 11m

Cube67 Female straight M12, 2-pole A-coded Actuator supply external Art-No. 7005 - M12 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







Product may differ from Image



Cable length

11 m

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: 2024-04-20

Murrelektronik GmbH | Office Park 4, 4.0G/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



Side 1

Side 1	
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 \emptyset)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	2
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879374620
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	
	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	
	nickel plated
	nickel plated FKM
Material gasket Locking material	

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: 2024-04-20

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection Environmental characteristics (Climatic Environmental characteristics (Climatic Operating temperature max. 25 °C Operating temperature max. 25 °C Addition temperature max. 25 °C Addition temperature max. 25 °C Addition temperature max. 25 °C Conformity Product standard DIN EN 61076-2-101 (M12) Installion (Cable Cable ofsmittication 414 Cable ofsmittication 141 Cable of Type 3 Jacket Color gray Type of Carlificatio CuPusu Amount stranding 1 Stranding 2 wires twisted Wire arrangement brow, bule No. o Dearding regrets (C-track) 10 Mo. @ 25 °C Cable weight 30.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom trion ingerdients (jacket) 14 4 mm Cuber diameter (jacket) 44 mm Outer diameter (jacket) 2		
Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature maye depending on cable quality Conformity Instantion (Cable Product standard DIN EN 61076 2-101 (M12) Installion (Cable Gable Right Cable distinction 414 Cable Type 3 Jacket Color gray Type of Certificate cURus Andunt stranding 1 Stranding 2 wises insteld writer arrangement brown, blue No. of bending cycles (C-track) 10 Mo. @ 25 °C Cable weigh 30.8 g/m Material jackt PUF Shore hardness jackt 90 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, cadrium-free, CFC-free, halogen-free, silicone-free Outer diameter (sheath) ± 5 % Material wire insulation PP Anount twice 2 Outer diameter (sheath) ± 5 % Material wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1	method inse	erted, screwed, Shaking protection
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Conformity Product standard DNEN 81076-2-101 (M12) Installation Cable Cable Type 3 Jacket Color gray Type of Confination 414 Addition Cable UNE N8 1076-2-101 (M12) Installation Cable Type of Confination 414 Cable Type 3 Jacket Color gray Type of Confination 1 Stranding 1 Stranding 1 Stranding 2 wires twisted wire arrangement brown, blue No. of bending copelse (C+rack) 10 MM. @ 25 °C Cable weight 30.8 g/m Material jacket PUR Strone A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.4 mm Colerando user diameter (sheath) 1.5 % Material wire insulation PP PA PA Amount wires 2 Outer diameter insulation 1.6 % % Diameter insulation	nental characteristics Climatic	
Additional condition temperature range depending on cable quality Conformity Product standard DIN EN 61076-2-101 (M12) Installation I Cable Cable identification 414 Cable identification 414 Cable identification 2000000000000000000000000000000000000	temperature min25	°C
Conformity DIN EN 61076-2-101 (M12) Installation (Cable Cable identification 414 Cable identification 414 Cable identification Jacket Color gray Jacket Color gray Type of Cartificate cURus Amount stranding 1 Stranding 1 Stranding 1 Stranding 2 wires twisted wire arrangement brown, blue No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weigth 30.8 g/m Material jacket PUR Shone hardness jacket 90.5 Shore A Freedom from ingredients (jacket) lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jackat) 4.4 mm Coleaneet (jackat) 4.4 mm Outer diameter insulation PP Amount stranding Gabe registrice Outer diameter insulation 1.5 % Shore bardness wire insulation 70.5 Shore D Ingredient freeness wire insulation 70.5 Shore D Ingredient freeness wire insulation 70.5 Shore D Ingredient freeness wire insulation 70.5 Shore D Ingredient freeness wi	temperature max. 85 °	O.
Product standard DIN EN 61076-2-101 (M12) Installation I Cable Cable (dentification 414 Cable (dentification 414	condition temperature range dep	pending on cable quality
Product standard DIN EN 61076-2-101 (M12) Installation I Cable Cable (dentification 414 Cable (dentification 414	itv	
Installation Cable Cable identification 414 Cable identification 414 Cable identification gray Type of Certificate cURus Arnount Stranding 1 Stranding 2 wires twisted wire arrangement brown, blue No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weigth 30.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jackot) Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jackot) 4.4 mm Tolerance outer diameter (sheath) ± 5 % Matorial jackit 90 ± 5 Shore A Freedom from ingredients (jackot) 4.4 mm Tolerance outer diameter (sheath) ± 5 % Matorial wire insulation PP Arnount Wires 2 Outer diameter Iolerance core insulation ± 5 % Shore hardness wire insulation iead-free, cadmium-free, CFC-free, halogen-free, silicone-free Arnount wires 2 Outer diameter folerance core insu	-	LEN 61076 2 101 (M12)
Cable identification414Cable identification414Cable identification9 rayType of CertificateCLRusAmount stranding1Stranding2 wires twistedwire arrangementbrown, blueNo. of bending cycles (C-track)10 Mio. @ 25 °CCable weight30,8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)14 mmTolerance outer diameter (sheath) \pm 5 %Material jacketPPAmount wires2Outer diameter insulationPPAmount wires2Outer diameter insulation \pm 5 %Shore hardness wire insulation \pm 5 %Shore bardness wire insulation \pm 5 %Shore bardness wire insulation \pm 5 %Diameter of single wires0,15 mmConductor trype (wire)0,5 mm²Conductor type (wire)stranded coper wire, bareConductor wireStranded coper wire, bareConductor type (wire)strande coper wire, bareConductor type (wire)stranded coper wire, bareConductor type (wire)stranded coper wire, bareConductor type (wire)stranded coper wire, bareConductor type (wire) <td></td> <td>1 EN 61076-2-101 (M12)</td>		1 EN 61076-2-101 (M12)
Cable Type 3 Jacket Color gray Type of Certificate cURus Anount stranding 1 Stranding 2 wires twisted wire arrangement brown, blue No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weigth 30.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom Trom ingredients (jacket) lead-tree, cadmium-free, CFC-tree, halogen-free, silicone-free Outer-diameter (jacket) 4.4 mm Tolerance outer diameter (sheath) ± 5 % Material wise insulation PP Amount wires 2 Outer diameter insulation 1.4 mm Outer diameter insulation 1.5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.5 mm Conductor orsessection (wire) 0.5 mm² Material wire insulation 1.9 ± 5 °C horizontal Current toad capacity min. wir	on Cable	
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 2 wires twisted wire arrangement brown, blue No. of bending cycles (C-track) 10 Mio. @ 25 °C Gable weigth 30.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.4 mm Tolerance outer diameter (sheath) ± 5 % Material wive insulation PP Amount Wires 2 Outer diameter insulation 1.4 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 1.4 mm Outer diameter insulation 1.4		4
Type of Certificate cURus Amount stranding 1 Stranding 2 wires twisted wire arrangement brown, blue No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weigth 30.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.4 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.4 mm Conductor coreassection (wire) 28 Diameter of single wires 0.15 mm Conductor towire Stranded copper wire, bare Conductor troxexing distance (C-track) 10 m @ 25 °C I		
Amount stranding 1 Stranding 2 wires twisted wire arrangement brown, blue No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weigth 30.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,4 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 16 ad-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 28 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 Current load capacity (standard) to IN VDE 0298-4 Current load capacity min. wire 9 A <td>0,</td> <td></td>	0,	
Stranding 2 wires twisted wire arrangement brown, blue No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weigth 30,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,4 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter tolerance core insulation 1,4 mm Outer diameter tolerance core insulation 1,4 mm Outer diameter tolerance core insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Smr Conductor crosssection (wire) 2,8 Diameter of single wires 0,15 mm² Conductor crosssection (wire) 0,5 mm² Conductor tore oestant wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3		Rus
wire arrangement brown, blue No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weigth 30.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.4 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter insulation 1.4 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 % Material wires 0.15 mm Conductor type (wire) Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to INI VDE 029-4 Current load capacity (standard) to INI VDE 029-4<	randing 1	
No. of bending cycles (C-track)10 Mio. @ 25 °CCable weigth30.8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4.4 mmTolerance outer diameter (sheath) \pm 5 %Material wire insulationPPAmount wires2Outer diameter tolerance core insulation \pm 5 %Shore hardness wire insulation1.4 mmOuter diameter insulation \pm 5 %Shore hardness wire insulation 70 ± 5 Shore DIngredient freeness wire insulation 70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)28Diameter of single wires0.15 mmConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded case 6Traversing distance (C-track)10 m@ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min, wire9 AElectrical resistance line constant wire390 VPower frequency withstand voltage power $2,5 kV @ 60 s$ Min. operating temperature (fixed).40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (max. (dynamic).25 KV @ 60 sMin. operating temperature (max. (dynamic)).25 KV @ 10000 h Operation <td>2 wi</td> <td>vires twisted</td>	2 wi	vires twisted
Cable weigth 30,8 g/m Material jacket PUR Shore hardness jacket 90.4 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.4 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter insulation 1.4 mm Outer diameter insulation 1.4 mm Outer diameter insulation 70.4 5 % Shore hardness wire insulation 70.4 5 % Ingredient freeness wire insulation 70.4 5 % Ingredient freeness wire insulation 10.1 5 mm Conductor crosssection (wire) 0.5 mm² Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor by (wire) strand class 6	gement brov	wn, blue
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.4 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter insulation 1.4 mm Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.8 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 28 Diameter of single wires 0.15 mm Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Strand class 6 Trav	nding cycles (C-track) 10 M	Mio. @ 25 °C
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,4 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter noulation 1,4 mm Outer diameter noulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation ree, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 28 Diameter of single wires 0,15 mm Conductor rosssection (wire) 0,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity min. wire 9 A Electrical resistance line constant wire 39 Q/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s	gth 30,8	8 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,4 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 28 Diameter of single wires 0,15 mm Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Strande copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 9 A Electrical resistance line constant wire 39 0/km @ 20 °C Nominal voltage power AC max.	acket PUF	R
Outer-diameter (jacket) 4,4 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter insulation 1,4 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 28 Diameter of single wires 0,15 mm Conductor crossection (wire) 0,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity min. wire 9 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (kited)<	dness jacket 90 ±	± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter insulation 1.4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.6 mm Conductor crossection (wire) 2.8 Diameter of single wires 0.15 mm Conductor crossection (wire) 0.5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 9 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C	from ingredients (jacket) lead	d-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 2 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 28 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity withstand voltage power 2,5 kV @ 60 s Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating tempera	neter (jacket) 4,4	mm
Amount wires2Outer diameter insulation1,4 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)28Diameter of single wires0,15 mmConductor crosssection (wire)0,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire9 AElectrical resistance line constant wire39 Ω/km @ 20 °CNomial voltage power AC max.300 VPower frequency withstand voltage power2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	outer diameter (sheath) ± 5	%
Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 28 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 9 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	vire insulation PP	
Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)28Diameter of single wires0,15 mmConductor crosssection (wire)0,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire9 AElectrical resistance line constant wire39 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	ires 2	
Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)28Diameter of single wires0.15 mmConductor crosssection (wire)0.5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)300 VPower frequency withstand voltage power2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	neter insulation 1,4	mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)28Diameter of single wires0,15 mmConductor crosssection (wire)0,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire9 AElectrical resistance line constant wire39 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	neter tolerance core insulation ± 5	%
Amount strands (wire)28Diameter of single wires0,15 mmConductor crosssection (wire)0,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire9 AElectrical resistance line constant wire39 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	dness wire insulation 70 ±	± 5 Shore D
Diameter of single wires0,15 mmConductor crosssection (wire)0,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire9 AElectrical resistance line constant wire39 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	freeness wire insulation lead	d-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)0,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire9 AElectrical resistance line constant wire39 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	rands (wire) 28	
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire9 AElectrical resistance line constant wire39 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	of single wires 0,15	5 mm
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire9 AElectrical resistance line constant wire39 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	r crosssection (wire) 0,5	mm ²
Traversing distance (C-track)10 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire9 AElectrical resistance line constant wire39 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	onductor wire Stra	anded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire9 AElectrical resistance line constant wire39 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	r type (wire) stra	and class 6
Current load capacity min. wire 9 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	g distance (C-track) 10 r	m @ 25 °C horizontal
Electrical resistance line constant wire 39 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	ad capacity (standard) to D	DIN VDE 0298-4
Nominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	ad capacity min. wire 9 A	
Power frequency withstand voltage power (wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	resistance line constant wire 39 G	Ω/km @ 20 °C
(wire - jacket) 2,5 kV @ 60 s AC withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	oltage power AC max. 300	V
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation		kV @ 60 s
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	and voltage power (wire - wire) 2,5	kV @ 60 s
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation		٥
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation		°C / 90 °C @ 10000 h Operation
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	3 1 ()	
		°C / 90 °C @ 10000 h Operation
Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2		1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
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		
No. of torsion cycles 2 Mio.		

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: 2024-04-20

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



Torsion speed Torsion stress 35 cycles/min ± 180 °/m

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: 2024-04-20

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at