

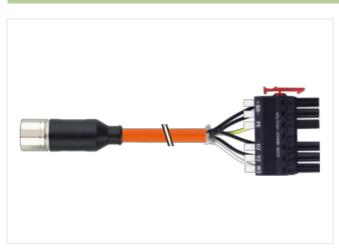
M23 SERVO CABLE

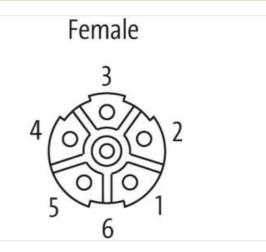
Specification: 6FX8002-5CS06-1AH5

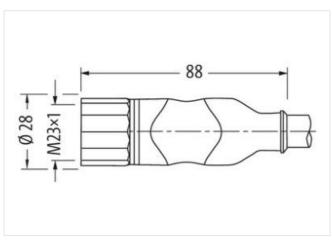
Female straight - pre-wired terminals Plastic housings with good resistance against chemicals and oils. M23, 6-pole 4-pole used Power connector SIEMENS shielded without brake wires Power cable for SINAMICS S120 and Motors with M23 connection without cable sleeves Further cable lengths on request. Power cores: 12 Å (1.5 mm²), 15 Å (2.5 mm²)

Link to Product

Illustration







Product may differ from Image

Cable length	7,5 m	
Side 1		
Tightening torque	2 Nm	

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: 2024-06-24

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Family construction form	M23	
Thread	M23 x 1	
suitable for corrugated tube (internal \emptyset)	16 mm	
Width across flats	SW27	
Side 2		
Family construction form	M23	
suitable for corrugated tube (internal Ø)	23 mm	
	25 mm	
Commercial data		
ECLASS-6.0	27279221	
ECLASS-6.1	27279218	
ECLASS-7.0	27279218	
ECLASS-8.0	27279218	
ECLASS-9.0	27060327	
ECLASS-10.1	27060311	
ECLASS-11.1	27060311	
ECLASS-12.0	27060327	
ETIM-5.0	EC000830	
customs tariff number	85444290	
GTIN	4048879697590	
Packaging unit	1	
Electrical data Supply		
Operating voltage AC max.	630 V	
Operating voltage DC max.	630 V	
Device protection Electrical		
Degree of protection (EN IEC 60529)	IP65, IP67	
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	6 kV	
Material group (IEC 60664-1)		
Mechanical data Material data		
Coating locking	nickel plated	
Material gasket	FKM	
Material housing	PUR	
Locking material	Brass	
Mechanical data Mounting data		
Mounting method	inserted, screwed, Shaking protection	
Environmental characteristics Climatic		
Operating temperature min.	-25 °C	
Operating temperature max.	85 °C	
Additional condition temperature range	depending on cable quality	
Important installation notes		
•	Directert the connectors by outching measures from mechanical loads, e.g. by the usage of eable tice	
Note on strain relief Note on bending radius	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.	
Installation Cable		
	black $W/I 2/D/I$ black $U/I 1/C/I$ black $V/I 2$ groop vollow	
wire arrangement Cable identification	black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow 854	
Jacket Color	orange	
Type of Certificate	cURus	
. Jps of continuate		

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: 2024-06-24

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Cable shadding (powe) copper band, formed Earding Fiber tapa, Fleece Filer pot Filer pot Cable shadding (powe) Back WL2, Dirck J, Mack UL1, TCL+, Back VL2, preen yellow Cable weight 141.8 g/m Material jacks TMPU Cable weight 141.8 g/m Material jacks TMPU Cable weight 5.8 nm Tolerance nuber diameter rules formation 5.8 nm Cable shadding (powe) 2.4 nm Tolerance nuber diameter rules formation (Power) 2.4 nm Filtering colour vire insulation (Power) 4 Annount twee (Power) 3.5 mm Mile conductor cose section (Power) 4 Annount twee (Power) 3.5 mm Mile conductor cose section (Power) 1.5 mm Material avoitagic formations were (Power) 3.5 mm Material conduct type were (Power) 1.5 nm Material conduct type were (Power) 1.5 nm Material conduct type were (Power) 1.4 A Earchain conduct type were (Power) 1.5 nm <td< th=""><th>Stranding</th><th>4 wires with Filler twisted</th></td<>	Stranding	4 wires with Filler twisted
Banding Fiber tape, Fleece Filer yes Filer yes We arringement back WL3DL*, black UL1/CL*, black VL2, green-yellow Cable weigh 14.19 g/m Material jacket TMPU Freedom from ingredients (glacket) 8.6 mm Cable weigh 5.5 m Material jacket 8.6 mm Tolerance outer diameter riskutation (Power) 2.4 mm Tolerance outer diameter vision insulation (Power) 15 % Material weise insulation (Power) 4.4 Amount strack weise insulation (Power) 4.4 Amount strack weise (glocket) 8.4 Damater of angle wises (Power) 4.4 Amount strack weise section (Power) 1.5 mm ² Material conductor wire (Power) 1.5 mm ² Max. rated voltage (conductor - ground) 100 V Carrent carrying capasity intriver 14 V @ 300 s Electrind capasity inte constant (wee -	Cable shielding (type)	copper braid, tinned
Filter yes wire arrangement black WL3DL*, black UL1CL*, black VL2, green-yellow Cable weigh 141,8 μr. Material jarxet TMPU Freedom from ingredients (jacket) 8,6 mm Outer-dimeter (jacket) 8,6 mm Outer-dimeter (jacket) 8,6 mm Outer dimeter wire insulation (Power) 2,4 mm Outer dimeter wire insulation (Power) 2,4 mm Tolerance outer dimeter wire insulation (Power) 16a/m Ingredient freeness wire insulation (Power) 16a/m Ingredient freeness wire insulation (Power) 16a/m Vice conductor root social (Power) 16a/m Diameter of single wires (Power) 0.15 mm Wire conductor root social (Power) 1.5 mm! Material conductor wire (Power) 600 V Current load capacity (standard) 100 V Aux. rand voltage (conductor - conductor) 1000 V Current load capacity (standard) 100 V V	Cable shielding (coverage)	85 %
wire arrangement black WL3DL, black UL1/CL, black VL2, green-yellow Cable weigh 14.1.3 g/m Material jacka TMPU Freedom from ingredients (gkohl) lead-tree, CFC-free, habgen-free, silicone-free Outer diameter (gkohl) 8.5 mm Toleraroz outer diameter (wischaft) 1.5 % Material weis insulation (Power) TPM Diart diameter weis insulation (Power) 4.6 mm Tolerance cuter diameter weis insulation (Power) 4.6 mm Friendom Court weiser insulation (Power) 4.6 darfree, CFC-free, habgen-free, alicone-free Friendo court weiser insulation (Power) 4.6 Armount darinds wire (Power) 4.6 Armount distands wire (Power) 9.4 Material conductor construction) 6.0 mm Wire conductor coas section (Power) 1.5 mm Material conductor weight weight Power) 5.1 mm Material conductor weight weight Power) 5.1 mm Material conductor weight Power) 1.5 mm Material conductor weight Power) 1.6 Mm Material conductor weight Power) 1.6 Mm Material conductor - conductor) 1000 V	Banding	Fiber tape, Fleece
wire arrangement back W1.3DL /, black W1.2, green yellow Cable weight 141,9 g/m Material jacket TMFU Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free, alicone-free Outer diameter (jacket) 8.6 mm Tolerance outer diameter (weam) 5.5 mm Dater diameter (wiscal) 8.6 mm Tolerance outer diameter (wiscal) 2.4 mm Tolerance suter diameter wis insulation (Power) 145 % Ingredient teeness wire insulation (Power) 45 % Hornout strands wire (Power) 44 Arrout virise (Power) 94 Diameter diagle wires (Power) 1.5 mm ² Miterial conductor wire (Power) 1.5 mm ² Material conductor wire (Power) 1.5 mm ² Material conductor wire (Power) 1.5 mm ² Conductor yow wire (Power) 1.6 MM Conductor yow wire (Power) 1.6 MM Conductor yow wire (Power) 1.6 MM	Filler	Ves
Cable weight 14.15 g/m Material jacket TMPU Freedom from ingredients (jackel) 18.8 mm Outer diamoter (jackel) 8.8 mm Outer diamoter (jackel) 15.5 % Material jacket TMPU Freedom from ingredients (jackel) 15.5 % Material weir insulation (Power) 15.5 % Ingredien frameses wire insulation (Power) Iead-free, CFC-free, halogen-free, allicone-free Printing colour weir insulation (Power) Iead-free, CFC-free, halogen-free, allicone-free Printing colour weir insulation (Power) Iead-free, CFC-free, halogen-free, allicone-free Printing colour weir insulation (Power) Iead-free, CFC-free, halogen-free, allicone-free Max read voltage insulation (Power) 15.5 mm? Material conductor vire (Power) 1.5 mm? Material voltage conductor - conductor) 1000 V Construct tops weight we	wire arrangement	
Material packet TMPU Freedom from ingredients (jacket) Isea-free. CFC-free, halogen-free. Out-diramoter (jacket) 8.6 mm Toferance outer diameter (jacket) 2.5 %. Matorial wire insulation (Power) 12.4 mm Toferance outer diameter wire insulation (Power) 12.4 mm Toferance outer diameter wire insulation (Power) 15.% Fining colour wire insulation (Power) 4.4 Amount strands wire insulation (Power) 4.4 Amount strands wire (Power) 4.4 Material origitation (Power) 1.5 mm Wire conductor cross section (Power) 1.5 mm Wire conductor cross section (Power) 1.5 mm Wire conductor cross section (Power) 1.5 mm Material conductor wire (Power) 1.5 mm Wire conductor cross section (Power) 1.5 mm Material conductor wire (Power) 1.5 mm Material conductor wire (Power) 1.5 mm Conductor cross section (Power) 1.5 mm Material conductor wire (Power) 1.5 mm Conductor cross section (Power) 1.5 mm Conductor wire (Power)		
Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free, silicone-free Outer-dimeter (jacket) 8.6 mm Tolerance-outer dimeter (sheat) 5.5 % Material wire insulation (Power) TPM Outer dimeter wire insulation 5.5 % Material wire insulation (Power) 4.4 mm Tolerance-outer dimeter wire insulation 5.5 % Ingredom fireness wire insulation (Power) ited free Anount wise (Power) 44 Anount wise (Power) 64 Dameter of single wires (Power) 64 Dameter of single wires (Power) 5.1 mm Witer conductor rese section (Power) Stranded copper wire, bare Contraduct type wire (Power) Stranded copper wire, bare Material conductor - ground 600 V Carrent cad cappet (strandwire) 10.01 VUE 0284-4 Carrent cas cappatic (strandwire) 100		-
Outer diameter (jacket) 8.6 mm Tolerance outer diameter (jacket) 5 % Material wire insulation (Power) TPM Outer diameter wire insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) 4.5 % Imgridemt Trenenses wire insulation (Power) 4.4 Amount strads wire (Power) 4.4 Amount strads wire (Power) 4.4 Manuel Strads wire (Power) 4.4 Manuel Strads wire (Power) 4.4 Manuel Strads wire (Power) 5.7 mm ¹ Material conductor wire (Power) 5.7 straded copper wire, bare Conductor wire (Power) 5.7 straded copper wire, bare Conductor vire (Power) strands dolas 6 Max. rads volage (conductor - conduct) 100 V Max. rads volage (conductor - conduct) 100 V Cournet carrying capacity min. wire (Power) 13.7 Ckm @20 °C Cournet carrying capacity min. wire (Power) 14.4 A Current carrying capacity min. wire (Power) 14.7 KM @300 s Electrical capacity line constant (wire - wire) 90000 pF/m Power froquoncy willistand volage (wire - wire) 90000 pF/		
Tolerance outer diameter (sheath) 1.5 %. Material wire insulation (Power) TPM Outer diameter wire insulation 45 %. Record outer diameter wire insulation 45 %. Ingredient Teeness wire insulation (Power) Head-free, CFC-free, halogen-free, elicone-free Printing colour wire insulation (Power) Head-free, CFC-free, halogen-free, elicone-free Printing colour wire insulation (Power) 4 Amount wires (Power) 4 Amount strands wire (Power) 1.5 mm ² Material conductor wire (Power) Stranda copper wire, bare Conductor type wire (Power) Stranda copper wire, bare Conductor type wire (Power) Stranda copper wire, bare Conductor type wire (Power) 1.5 mm ² Material voltage (conductor - conductor) 1000 V Max. rated voltage (conductor - conductor) 1000 V Current coat capacity (standard) to DIN VDE 0298-4 Current coat capacity (standard) to DIN VDE 0298-4 Current coat capacity (ine constant (wire - wire) 4.4 V @ 300 s Electrical capacity line constant (wire - shield) 10000 pF/km Electrical capacity line constant (wire - shi		
Material wire insulation (Power) TPM Outer diameter wire insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) 45 % Imgredient Treeness wire insulation (Power) 484/rec, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) 44 Amount strands wire (Power) 84 Diameter of aingle wires (Power) 0.15 mm Wire conductor cross section (Power) 1.5 mm ² Material conductive (Power) 1.5 mm ² Material conductive (Power) 5.5 mm ² Material conductive (Power) 1.5 mm ² Max, rated voltage (conductor - conductor) 000 V Max, rated voltage (conductor - conductor) 000 V Current carrying capacity rink wire (Power) 13.7 Dkm (#20 °C AG withstand voltage (wire - wire) 4 kV @ 300 s Electricic capacity line constant (wire - wire) 4 kV @ 300 s Electricic capacity line constant (wire - wire) 4 kV @ 300 s Electricic capacity line constant (wire - wire) 4 kV @ 300 s Electricic capacity line constant (wire - wire) 200000 pF/km Electrinol capacity line constant (wire - wire)	<u> </u>	
Outer diameter wire insulation (Power) 2.4 mm Tolerance outer dameter wire insulation (Power) 45 % Ingredient feeness wire insulation (Power) Weat/Fee, CFC:free, halogen-free, allicone-free Printing colour wire insulation (Power) Weite (solation black) Amount wires (Power) 4 Amount stands wire (Power) 84 Diameter of lange wires (Power) 1.5 mm² Material conductor wire (Power) Stranded copper wire, bare Conclustor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor type wire (Power) 100 V Max. rated voltage (conductor - cround) 600 V Current load capacity (landard) 100 IN VDE 0298-4 Current load capacity (landard) 100 IN VDE 0298-4 Current load capacity line constant (wire - wire) 90000 pF/km Electrical capacity line constant (wire - wire) 90000 pF/km Electrical capacity line constant (wire - shield) 4 kV @ 300 s Solation withstand voltage (wire - wire) 20000 pF/km Electrical capacity line co		
Tolesmoe outer dameter wire insulation (Power) 15 % Ingredient freeness wire insulation (Power) lead free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) white (isolation black) Amount wires (Power) 4 Amount wires (Power) 84 Diameter of single wires (Power) 84 Miter conductor coss section (Power) 51 mm² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) strand class 6 Max, rated voltage (conductor - conductor) 1000 V Max, rated voltage (conductor - conductor) 1000 V Current carring: capacity min wire (Power) 14,4 A Electrical resistance coating wire (Power) 13,7 Dkm @20 °C AC withstand voltage (wire - wire) 90000 pF/km Electrical capacity line constant (wire - shield) 160000 pF/km Power froatenzy withstand voltage (wire - shield) 4 kV @ 300 s Schwittstand voltage (wire - shield) 4 kV @ 300 s Isolation resistance 2500 MD1 × km Electrical capacity line constant (wire - shield) 4 kV @ 300 s Mower frequency withstand voltage power (wire	. ,	
(Power) 15 % Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) 4 Amount strands wire (Power) 84 Diameter of single wires (Power) strand class 6 Conductor type wire (Power) strand class 6 Max, rated voltage (conductor - conductor) 1000 V Max, rated voltage (conductor - conductor) 1000 V Max, rated voltage (conductor - conductor) 14.4 A Electrical capacity (standard) to DIN VDE 0298.4 Current load capacity (standard) to DIN VDE 0298.4 Current capacity ine constat		2,4 mm
Printing colour wire insulation (Power) white (asolation black) Amount strands wire (Power) 4 Jameter of single wires (Power) 0.15 mm Wire conductor cross section (Power) 1.5 mm² Marrial conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) strand class 6 Max: rated voltage (conductor - ground) 600 V Current land capacity (strandard) to DIN VDE 0298-4 Current carrying capacity min. wire (Power) 1.4.4 A Electrical resistance coaling wire (Power) 4.4.4 Q @ 300 s Electrical resistance coaling wire (Power) 4.4.4 Q @ 300 s Electrical resistance 2500 MΩ × km Electrical capacity line constant (wire - shield) 4.4.V @ 300 s Electrical capacity line constant (wire - wire) 4.4.V @ 300 s Electrical capacity line constant (wire - shield) 200000 pF/km Electrical capacity line constant (wire - wire) 4.4.V @ 300 s Electrical capacity line constant (wire - shield) 200000 pF/km Electrical capacity line constant (wire - shield) 200000 pF/km Electrical capacity line constant (wire - shield) 4.4.V @ 300 s Mire (wire) Lischall 4.4.V @ 300 s		±5 %
Amount wires (Power) 4 Amount strands wire (Power) 84 Amount strands wire (Power) 0.15 mm Wire conductor cross section (Power) 1.5 mm ² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) stranded copper wire, bare Conductor type wire (Power) stranded copper wire, bare Conductor type wire (Power) btranded capacity Max, rated voltage (conductor - conductor) 1000 V Max, rated voltage (conductor - conductor) 1000 V Current carrying capacity min, wire (Power) 14.4 A Electrical capacity (standard) to DIN VDE 0296.4 Current carrying capacity min, wire (Power) 14.4 A Electrical capacity ine constant (wire - wire) 9000 pF/km Electrical capacity line constant (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - wire) 20000 pF/km Electrical capacity line constant (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - wire) 20000 pF/km Electrical capacity line constant (wire - wire)	Ingredient freeness wire insulation (Power)	lead-free, CFC-free, halogen-free, silicone-free
Amount strands wire (Power) 84 Diameter of single wires (Power) 0.15 mm Wire conductor cross section (Power) Stranded copper wire, bare Conductor type wire (Power) strand class 6 Max. rated voltage (conductor - ground) 600 V Current load capacity (standard) to DIN VDE 0296-4 Current load capacity (standard) to DIN VDE 0296-7C AC withstand voltage (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - shield) 150000 pF/km Power frequency withstand voltage (wire - shield) 4 kV @ 300 s Solution resistance 2500 MQ ~ km Electrical capacity line constant (wire - shield) 4 kV @ 300 s Min. operating temperature (static) -30 °C AC withstand voltage power (wire - shield) 4 kV @ 300 s Min. operating tempera	Printing colour wire insulation (Power)	white (isolation black)
Diameter of single wires (Power) 0,15 mm Wire conductor cross section (Power) 1,5 mm ² Material conductor wire (Power) Stranded coper wire, bare Conductor type wire (Power) strand class 6 Max, rated voltage (conductor - conductor) 1000 V Max, rated voltage (conductor - ground) 600 V Current load capacity (standard) to DIN VDE 0298-4 Current carrying capacity (standard) to DIN VDE 0298-4 Current carrying capacity (standard) to DIN VDE 0290 °C Ac withstand voltage (wire - wire) 4 kV @ 300 s Power frequency withstand voltage (wire - shield) 4 kV @ 300 s Power frequency withstand voltage power (wire - shield) 4 kV @ 300 s Power frequency withstand voltage power (wire - shield) 4 kV @ 300 s Min. operating temperature max. (dynamic) -30 °C </td <td>Amount wires (Power)</td> <td>4</td>	Amount wires (Power)	4
Wire conductor arross section (Power) 1,5 mm² Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) strand class 6 Max, rated voltage (conductor - conductor) 1000 V Max, rated voltage (conductor - conductor) 1000 V Current carrying capacity min, wire (Power) 13,7 D/km @20 °C Current carrying capacity min, wire (Power) 13,7 D/km @20 °C AC withstand voltage (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - shield) 160000 pF/km Power frequency withstand voltage (wire - shield) 4 kV @ 300 s Electrical capacity line constant (wire - shield) 4 kV @ 300 s Electrical capacity line constant (wire - shield) 4 kV @ 300 s Electrical capacity line constant (wire - shield) 4 kV @ 300 s Electrical capacity line constant (wire - shield) 4 kV @ 300 s Floaterial capacity line constant (wire - shield) 4 kV @ 300 s Minstand voltage power (wire - shield) 4 kV @ 300 s Min. operating temperature (acic) -30 °C Maxer capacity line constant (wire - wire) 120000 pF/km Ac withstand voltage power (wire - wire) 4 k	Amount strands wire (Power)	84
Material conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) strand class 6 Max. rated voltage (conductor - conductor) 1000 V Max. rated voltage (conductor - conductor) 1000 V Gurrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0290 °C AC withstand voltage (wire · wire) 13.7 Ω/km @20 °C AC withstand voltage (wire · wire) 13.7 Ω/km @20 °C AC withstand voltage (wire · wire) 90000 pF/km Electrical capacity line constant (wire - shield) 160000 pF/km Power frequency withstand voltage (wire - shield) 4 kV @ 300 s Isolation resistance 200 MO × km Electrical capacity line constant (wire - shield) 20000 pF/km (power) 120000 pF/km (power) 120000 pF/km (betried capacity line constant (wire - shield) 4 kV @ 300 s AC withstand voltage power (wire - wire) 4 kV @ 300 s AC withstand voltage power (wire - wire) 4 kV @ 300 s AC withstand voltage power (wire - wire) 4 kV @ 300 s	Diameter of single wires (Power)	0,15 mm
Conductor type wire (Power)strand class 6Max. rated voltage (conductor - conductor)1000 VMax. rated voltage (conductor - ground)600 VCurrent Load capacity (standard)to DIN VDE 0298-4Current carrying capacity min. wire (Power)14,4 AElectrical resistance coating wire (Power)14,7 Λ km @20 °CAC withstand voltage (wire - wire)4 kV @ 300 sElectrical capacity line constant (wire - wire)90000 pF/kmPower frequency withstand voltage (wire - shield)160000 pF/kmPower frequency withstand voltage (wire - shield)4 kV @ 300 sIsolation resistance2500 MQ × kmElectrical capacity line constant (wire - shield)4 kV @ 300 sIsolation resistance2500 MQ × kmElectrical capacity line constant (wire - shield)200000 pF/kmPower frequency withstand voltage power (wire - shield)20000 pF/km(power)120000 pF/kmElectrical capacity line constant (wire - shield)4 kV @ 300 sAC withstand voltage power (wire - shield)4 kV @ 300 s(mower)120000 pF/km(power)120000 pF/kmAC withstand voltage power (wire - wire)4 kV @ 300 sMin. operating temperature (static)-30 °COperating temperature (s	Wire conductor cross section (Power)	1,5 mm ²
Max: rated voltage (conductor - conductor) 1000 V Max: rated voltage (conductor - ground) 600 V Current carrying capacity min. wire (Power) 14.4 A Electrical resistance coating wire (Power) 14.4 A Electrical resistance coating wire (Power) 14.4 A Electrical resistance coating wire (Power) 4 kV @ 300 s Electrical capacity line constant (wire - wire) 90000 pF/km Power frequency withstand voltage (wire - shield) 180000 pF/km Power frequency withstand voltage (wire - shield) 4 kV @ 300 s Lactical capacity line constant (wire - shield) 200000 pF/km Electrical capacity line constant (wire - shield) 200000 pF/km Electrical capacity line constant (wire - shield) 200000 pF/km Cower) 1200000 pF/km Cact withstand voltage power (wire - shield) 4 kV @ 300 s Power frequency withstand voltage power 4 kV @ 300 s Cowers 4 kV @ 300 s AC withstand voltage power (wire - wire) 4 kV @ 300 s AC withstand voltage power (wire - wire) 4 kV @ 300 s AC withstand voltage power (wire - wire) 4 kV @ 300 s AC withstand voltage powe	Material conductor wire (Power)	Stranded copper wire, bare
Max. rated voltage (conductor - ground) 600 V Current load capacity (standard) to DIN VDE 0298-4 Current carrying capacity min. wire (Power) 13.7 Ω/km @20 °C AC withstand voltage (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - wire) 90000 pF/km Electrical capacity line constant (wire - shield) 160000 pF/km Power frequency withstand voltage (wire - abled) 160000 pF/km Power frequency withstand voltage (wire - abled) 4 kV @ 300 s Isolation resistance 2500 MQ × km Electrical capacity line constant (wire - shield) 4 kV @ 300 s Isolation resistance 2500 MQ × km Electrical capacity line constant (wire - shield) 4 kV @ 300 s Conver) 120000 pF/km (power) 120000 pF/km Cover) 120000 pF/km AC withstand voltage power (wire - shield) 4 kV @ 300 s Max. operating temperature (static) -30 °C Ac withstand voltage power (wire - wire) 4 kV @ 300 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) -30 °C Max. operating temperature (fixed) 80 °C Oper	Conductor type wire (Power)	strand class 6
Current load capacity (standard) to DIN VDE 0298-4 Current carrying capacity min. wire (Power) 13,7 Ω/km @20 °C AC withstand voltage (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - wire) 90000 pF/km Electrical capacity line constant (wire - shield) 160000 pF/km Power frequency withstand voltage (wire - jacket) 4 kV @ 300 s Isolation resistance 2500 MQ × km Electrical capacity line constant (wire - shield) 4 kV @ 300 s Isolation resistance 2500 MQ × km Electrical capacity line constant (wire - shield) 200000 pF/km (power) 200000 pF/km (power) 200000 pF/km Virie cajackt) 200000 pF/km (power) 120000 pF/km AC withstand voltage power (wire - shield) 4 kV @ 300 s AC withstand voltage power (wire - wire) 120000 pF/km (power) 4 kV @ 300 s Mix. operating temperature (statc) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Flame resistance Good, application-related testing <td>Max. rated voltage (conductor - conductor)</td> <td>1000 V</td>	Max. rated voltage (conductor - conductor)	1000 V
Current load capacity (standard) to DIN VDE 0298-4 Current carrying capacity min. wire (Power) 13,7 Ω/km @20 °C AC withstand voltage (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - wire) 90000 pF/km Power frequency withstand voltage (wire - jacket) 4 kV @ 300 s Isolation resistance 2500 MQ × km Electrical capacity line constant (wire - shield) 4 kV @ 300 s AC withstand voltage (wire - shield) 4 kV @ 300 s Isolation resistance 2500 MQ × km Electrical capacity line constant (wire - shield) 200000 pF/km (power) 200000 pF/km (power) 120000 pF/km Ac withstand voltage power (wire - shield) 4 kV @ 300 s Ac withstand voltage power (wire - shield) 4 kV @ 300 s Ac withstand voltage power (wire - wire) 120000 pF/km (power) 120000 pF/km Ac withstand voltage power (wire - wire) 4 kV @ 300 s Ac withstand voltage power (wire - wire) 4 kV @ 300 s Mix. operating temperature (fixed) -30 °C Max. operating temperature (fixed) -30 °C Qoerating temperature (fixed) 80 °C O	Max. rated voltage (conductor - ground)	600 V
Current carrying capacity min. wire (Power)14.4 AElectrical resistance coating wire (Power)13.7 Ω /km @20 °CAC withstand voltage (wire - wire)4 kV @ 300 sElectrical capacity line constant (wire - wire)90000 pF/kmPower frequency withstand voltage (wire - jacket)4 kV @ 300 sAC withstand voltage (wire - shield)160000 pF/kmPower frequency withstand voltage (wire - shield)4 kV @ 300 sIsolation resistance2500 MQ × kmElectrical capacity line constant (wire - shield) (power)20000 pF/kmElectrical capacity line constant (wire - wire) (power)120000 pF/kmElectrical capacity line constant (wire - wire) (power)120000 pF/kmConstant voltage power (wire - shield) (power)4 kV @ 300 sAC withstand voltage power (wire - shield) 		to DIN VDE 0298-4
Electrical resistance coating wire (Power) 13,7 Ω/km @20 °C AC withstand voltage (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - wire) 90000 pF/km Power frequency withstand voltage (wire - line) 4 kV @ 300 s Jacket) 4 kV @ 300 s AC withstand voltage (wire - shield) 4 kV @ 300 s Isolation resistance 2500 MQ × km Electrical capacity line constant (wire - shield) 20000 pF/km Electrical capacity line constant (wire - shield) 20000 pF/km Electrical capacity line constant (wire - wire) 120000 pF/km Electrical capacity line constant (wire - wire) 120000 pF/km (power) 120000 pF/km Electrical capacity line constant (wire - wire) 4 kV @ 300 s Power frequency withstand voltage power 4 kV @ 300 s Max. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Flame resistance UL 1581 § 1000 EC 60332-2-2 ·L UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasol		
AC withstand voltage (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - shield) 160000 pF/km Power frequency withstand voltage (wire - jacket) 4 kV @ 300 s AC withstand voltage (wire - shield) 4 kV @ 300 s Isolation resistance 2500 MΩ × km Electrical capacity line constant (wire - shield) 4 kV @ 300 s Isolation resistance 2500 MΩ × km Electrical capacity line constant (wire - shield) 200000 pF/km (power) 120000 pF/km AC withstand voltage power (wire - shield) 4 kV @ 300 s Power frequency withstand voltage power (wire - wire) 120000 pF/km AC withstand voltage power (wire - wire) 120000 pF/km AC withstand voltage power (wire - wire) 4 kV @ 300 s Power frequency withstand voltage power (wire - wire) 4 kV @ 300 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature min. (dynamic) -30 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1551 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical re		
Electrical capacity line constant (wire - wire) 90000 pF/km Electrical capacity line constant (wire - shield) 160000 pF/km Power frequency withstand voltage (wire - jacket) 4 kV @ 300 s AC withstand voltage (wire - shield) 4 kV @ 300 s Isolation resistance 2500 MΩ × km Electrical capacity line constant (wire - shield) 200000 pF/km Electrical capacity line constant (wire - shield) 200000 pF/km Electrical capacity line constant (wire - wire) 120000 pF/km Power frequency withstand voltage power (wire - wire) 4 kV @ 300 s Power frequency withstand voltage power (wire - wire) 4 kV @ 300 s Power frequency withstand voltage power (wire - wire) 4 kV @ 300 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -30 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Din NE N 60811-404 Good, application-related testing Bending radius (fixed) 4		
Electrical capacity line constant (wire - shield) 160000 pF/km Power frequency withstand voltage (wire - jackel) 4 kV @ 300 s AC withstand voltage (wire - shield) 4 kV @ 300 s Isolation resistance 2500 MΩ × km Electrical capacity line constant (wire - shield) 200000 pF/km [power] 120000 pF/km Cowithstand voltage power (wire - shield) 120000 pF/km (power) 120000 pF/km Power frequency withstand voltage power (wire - shield) 4 kV @ 300 s AC withstand voltage power (wire - wire) 4 kV @ 300 s Power frequency withstand voltage power (wire - wire) 4 kV @ 300 s Min. operating temperature (static) -30 °C Operating temperature (static) -30 °C Operating temperature (fixed) 80 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Di NE N 60811-404 Good, application-related testing Bending radius (fixed) 4 x Outer diameter Bending radius (fixed) 5 x Outer diameter No. of bending cycles (C-track) 10		
Power frequency withstand voltage (wire - jacket) 4 kV @ 300 s AC withstand voltage (wire - shield) 4 kV @ 300 s Isolation resistance 2500 MΩ × km Electrical capacity line constant (wire - shield) (power) 200000 pF/km Electrical capacity line constant (wire - wire) (power) 120000 pF/km AC withstand voltage power (wire - shield) 4 kV @ 300 s Power frequency withstand voltage power (wire - jacket) 4 kV @ 300 s Power frequency withstand voltage power (wire - jacket) 4 kV @ 300 s AC withstand voltage power (wire - wire) 4 kV @ 300 s Min. operating temperature (static) -30 °C Operating temperature (fixed) 80 °C Operating temperature (ixed) 80 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DiN EN 60811-404 Good, application-related testing Oil resistance DiN EN 60811-404 Good, application-related testing Oil resistance DiN EN 60811-404 Good, application-related testing Bending radius (fixed) 4 x Outer diameter Bending rad		
jacket)4 kV @ 300 sAC withstand voltage (wire - shield)4 kV @ 300 sIsolation resistance2500 MQ × kmElectrical capacity line constant (wire - shield) (power)20000 pF/kmElectrical capacity line constant (wire - wire) (power)120000 pF/kmConstant (wire - shield)4 kV @ 300 sPower frequency withstand voltage power (wire - shield)4 kV @ 300 sPower frequency withstand voltage power (wire - wire)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sMax. operating temperature (static)-30 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature min. (dynamic)-30 °COperating temperature min. (dynamic)-30 °COperating temperature min. (dynamic)80 °COperating temperature min. (dynamic)-30 °COperating temperature min. (dynamic)80 °COperating temperature min. (dynamic)-30 °COperating temperature mi		
Isolation resistance2500 MΩ × kmElectrical capacity line constant (wire - shield) (power)200000 pF/kmElectrical capacity line constant (wire - wire) (power)120000 pF/kmAC withstand voltage power (wire - shield)4 kV @ 300 sPower frequency withstand voltage power (wire - jacket)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)80 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterBending radius (qynamic)7,5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal	jacket)	-
Electrical capacity line constant (wire - shield) (power)200000 pF/kmElectrical capacity line constant (wire - wire) (power)120000 pF/kmAC withstand voltage power (wire - shield)4 kV @ 300 sPower frequency withstand voltage power (wire - jacket)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal	AC withstand voltage (wire - shield)	4 kV @ 300 s
(power)Z0000 pF/kmElectrical capacity line constant (wire - wire) (power)120000 pF/kmAC withstand voltage power (wire - shield)4 kV @ 300 sPower frequency withstand voltage power (wire - jacket)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterBending radius (dynamic)7,5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal	Isolation resistance	2500 MΩ × km
(power)12000 pr/kmAC withstand voltage power (wire - shield)4 kV @ 300 sPower frequency withstand voltage power (wire - jacket)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterBending radius (dynamic)7,5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal		200000 pF/km
Power frequency withstand voltage power (wire - jacket)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)-30 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterBending radius (gynamic)7,5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal		120000 pF/km
(wire - jacket)4 kV @ 300 sAC withstand voltage power (wire - wire)4 kV @ 300 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterBending radius (dynamic)7,5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal	AC withstand voltage power (wire - shield)	4 kV @ 300 s
AC withstand voltage power (wire - wire) 4 kV @ 300 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 4 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 50 m @ 25 °C horizontal		4 kV @ 300 s
Min. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterBending radius (dynamic)7,5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal		4 kV @ 300 s
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterBending radius (dynamic)7,5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal	Min. operating temperature (static)	
Operating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterBending radius (dynamic)7,5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal		
Operating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterBending radius (dynamic)7,5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal		
Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 4 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 50 m @ 25 °C horizontal		
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)4 x Outer diameterBending radius (dynamic)7,5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)50 m @ 25 °C horizontal		
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 4 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 50 m @ 25 °C horizontal		
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 4 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 50 m @ 25 °C horizontal		
Bending radius (fixed) 4 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 50 m @ 25 °C horizontal		
Bending radius (dynamic) 7,5 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 50 m @ 25 °C horizontal		
No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 50 m @ 25 °C horizontal		
Traversing distance (C-track) 50 m @ 25 °C horizontal		·
Inaverspeeu (U-track) ۲۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰۰		
		ວາກ/s@2ວັບ

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: 2024-06-24

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Torsion stress

± 30 °/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: 2024-06-24 Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk