

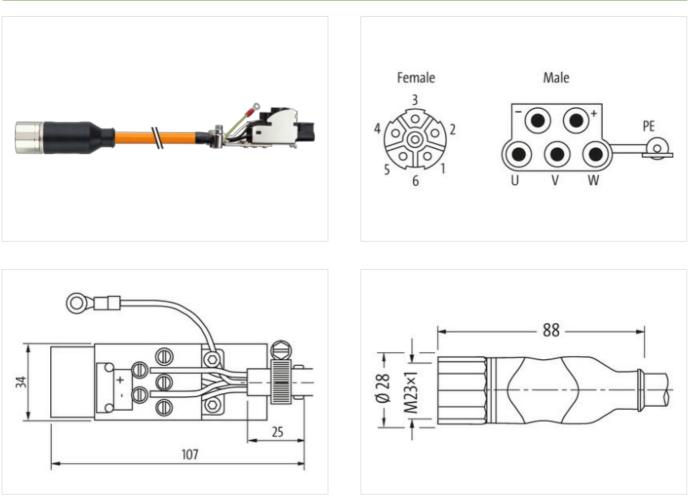
## **M23 SERVO CABLE**

Specification: 6FX8002-5DS01-1CB0

Power cable with brake wires for SINAMICS S120 and motors with M23 connection and holding brake Female straight - pre-wired terminals M23, 6-pole shielded without cable sleeves 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. Power cores: 12 A (1.5 mm<sup>2</sup>), 15 A (2.5 mm<sup>2</sup>); brake cores: 5 A (1.5 mm<sup>2</sup>)

## Link to Product

Illustration



Product may differ from Image

Cable length	21 m	
Side 1		
Tightening torque	2 Nm	
Family construction form	M23	
Thread	M23 x 1	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-26

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suitable for corrugated tube (internal $\emptyset$ )	16 mm
Width across flats	SW27
Commercial data	
ECLASS-6.0	27279218
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	EC001855
customs tariff number	85444290
GTIN	4048879479622
Packaging unit	1
Electrical data   Supply	
Operating voltage AC per power contact max.	600 V
Operating voltage AC per signal contact max.	250 V
Operating voltage DC per power contact max.	600 V
Operating voltage DC per signal contact max.	250 V
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP20, IP67
Pollution Degree	3
Rated surge voltage power contacts	4 kV
Rated surge voltage signal contacts	2 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	nickel plated
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
Installation   Cable	
	001
Cable identification	821
Jacket Color	orange cURus
Type of Certificate	
STOOW style jacket	Hybrid, Signal, Power 1
Amount stranding	1 2 wires with Filler twisted
Stranding	2 wires with Filler twisted
Amount stranding (type 2) Stranding (type 2)	4 wires with Filler around Stranding combination twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (type)	85 %
Pair shielding (type)	copper braid, tinned
Banding	Fiber tape, Fleece, Foil
Filler	yes
wire arrangement	black, white, (black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow)
wire analigement	Sidok, White, (Sidok Wile) Die, Didok Ole 1/0/LT, Didok VIL2, gleel Fyellow)

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Cable weight         23 g m           Material jack         TM/U           Freedom form ingradents (jackel)         11.3 mm           Guar diamater (jackel)         11.3 mm           Teanaco auter diamater (jackel)         15.5 %           Material jackel         74           Amount wive insulation         74M           Amount wive insulation         2           Outer diamater insulation         2.4 mm           Outer diamater insulation         5.5 %           Ingredient freenees wive insulation         8.4 mm           Danater of aingle wires         0.15 mm           Canduct consestection (vive)         3.5 mm           Canductor vive         Starad datas 6           Material oxicitation (Power)         75 %           Canductor type (vive)         starad class 6           Material oxicitation (Power)         14.5 %           Canductor type (vive)         istard class 6           Material oxicitation (Power)         4.5 %           Canductor type (vive)         istard class 6           Material oxicitation (Power)         4.5 %           Canductor type wire insulation (Power)         4.5 %           Presense autic insulation (Power)         white (toolation black)           Amount wire (Nower) <th>No. of bending cycles (C-track)</th> <th>10 Mio. @ 25 °C</th>	No. of bending cycles (C-track)	10 Mio. @ 25 °C
Freedom from ingredients (jacket)         lead free, CFC-free, halogen-free, silicone-free           Cater-dimeter (jacket)         1.3 mm           Tecerance cater dimeter (steat)         1.5 %           Material wei insulation         TPM           Anount weis         2           Oater diameter tisealation         2.4 mm           Cater diameter tisealation         1.5 %           Ingredient freenesse wire insulation         1.5 %           Ingredient freenesse wire insulation         1.5 mm?           Material wei insulation         1.5 mm?           Material wei insulation (fower)         1.5 mm?           Material wei insulation (Fower)         TPM           Conductor type insulation (Fower)         TPM           Cater diameter wei insulation (Fower)         1.5 mm?           Material conductor wei         Standed copper wite, bare           Conductor type insulation (Fower)         TPM           Cater diameter wei insulation (Fower)         1.5 mm?           Material wei insulation (Fower)         Net (solation thuo)           Printing colour wine insulation (Fower)         1.5 mm?           Material conductor wei (Fower)         1.5 mm?           Material conductor wei (Fower)         1.5 mm?           Material conductor ty wei (Fower)         1.5 mm?<	Cable weigth	231 g/m
Outer diameter (jacket)         11.3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire includion         TPM           Arnoutt wires         2           Outer diameter includion         2.4 mm           Outer diameter includion         2.4 mm           Outer diameter includion         1.6 %           Expredient Feness wire includion         1.6 %           Diameter of single wires         0.15 mm           Concluctor or second resolution         1.5 mm <sup>2</sup> Concluctor or second resolution         1.5 mm <sup>2</sup> Concluctor or second resolution         1.5 mm <sup>2</sup> Concluctor inclustor wire         Stranded copper wire, bare           Concluctor inclustor for preven         2.4 mm           Tolerance outer dimeter wire insulation (Power)         2.4 mm           Tolerance outer dimeter wire insulation (Power)         4.4 mm           Annount vise (Power)         5.5 m <sup>2</sup> Miterial ovise (Power)         5.5 m <sup>2</sup> Miterial conductor wire (Power)         5.4 mm           Contrent loat capacity (scandart)         1.5 mn <sup>2</sup> <	Material jacket	ТМРИ
Tolerance outer dameter (sheath)         ± 5 %           Material wire insulation         TPM           Amount wires         2           Outer dimeter insulation         2.4 mm           Outer dimeter insulation         lead-free, CFC-free, halogen-free, allicone-free           Amount wires         P           Danter of single wires         0.15 mm           Conductor crossascition (wire)         1.5 mm           Material conductor wire         Strando looper wire, bare           Conductor type (wire)         strand looper wire, bare           Tolerance outer dameter wire insulation (Power)         white (isolation black)           Amount strands wire (Power)         44           Dameter disingle wires, Chever)         54           Dameter disingle wires, Chever)         55 mm           Material conductor wire strands looper wire, bare         Conductor loopes wire, bare           Cond	Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free, silicone-free
Material wire insulation         TPM           Arnourt wires         2           Cutre diameter insulation         2.4 mm           Cutre diameter insulation         15.5 m.           Expredient flewss wire insulation         15.5 m.           Diameter of single wires         0.15 mm           Conductor of single wires         0.15 mm           Conductor views wire insulation         15.5 m.           Material conductor wire         Stranded copport wire, bare           Conductor views insulation (Power)         2.4 mm           Outer diameter wire insulation (Power)         2.4 mm           Tolerance outer diameter wire insulation (Power)         2.4 mm           Tolerance outer diameter wire insulation (Power)         4.4           Amount strands wire (Power)         4.5 m.           Meterial conductor wire (Power)         5.5 m.           Meterial conductor wire (Power)         5.5 m.           Meterial conductor wire (Power)         5.5 m.           Tarwaring distance incomstant wire (Power)         5.5 m.           Stranded copper wire, bare         Conductor vire (Power) <td< td=""><td>Outer-diameter (jacket)</td><td>11,3 mm</td></td<>	Outer-diameter (jacket)	11,3 mm
Amount wires         2           Outer diameter insulation         2.4 mm           Coller diameter forsulation         1.5 %           Ingredient treateness wire insulation         Isad-ritee, CFC-free, halogen-free, silicone-free           Manual stands (wire)         8.4           Dameter of single wires         0,15 mm           Canductor transsection (wire)         1.5 mm <sup>2</sup> Material conductor wire         Stranded coper wire, bare           Conductor type (wire)         strand class 6           Material conductor wire insulation (Power)         7PM           Conductor twe insulation (Power)         4.5 %           (Power)         1.5 mm           Toferance outer diameter wire insulation (Power)         4.5 %           (Power)         1.5 frm           Ingredient tree-insulation (Power)         4.4           Amount strade wire (Power)         4           Amount strade wire (Power)         4.5 mm           Material conductor wire (Power)         5.5 mm           Wire conductor wire (Power)         5.5 mm           Unarret doat capacity (Istandard ) <t< td=""><td>Tolerance outer diameter (sheath)</td><td>±5%</td></t<>	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation         2,4 mm           Outer diameter insulation         1 5 %           Ingredient freenes wire insulation         1 5 %           Jameter sol single wires         0,15 mm           Conclustor consequences         0,15 mm           Conclustor vires         Stranded copper wire, bare           Conclustor virey         Stranded copper wire, bare           Conclustor virey         Stranded copper wire, bare           Conclustor virey         Wire insulation (Power)         2,4 mm           Tolerance sure frameter wire insulation (Power)         2,4 mm         Tolerance sure frameter wire insulation (Power)           Chard diameter wire insulation (Power)         4,4 mm         Tolerance sure frameters wire insulation (Power)           Amount strands wire (Power)         4         Amount strands wire (Power)           Amount strands wire (Power)         5 %         Stranded copper wire, bare           Conductor vire or sesteetion (Powr)         1,5 mm <sup>2</sup> Traversing distance (Power)           Material conductor wire (Power)         5 %         Stranded copper wire, bare           Conductor vire (Power)         5 %         Stranded copper wire, bare           Conductor vire (Power)         5 %         Stranded copper wire, bare           Conductor vire (Power)         1,3 D.Mm (@ 25 °C	Material wire insulation	TPM
Outer diameter tolerance core insulation         ± 5 %.           Ingredient freeness wire insulation         lead-free, CFC-free, habgen-free, silicone-free           Amount stands (vire)         0.15 mm           Conductor crosssaction (wire)         1.5 mm <sup>2</sup> Material conductor vire         Stranded copper wire, bare           Conductor crosssaction (wire)         1.5 mm <sup>2</sup> Material conductor vire         Stranded copper wire, bare           Conductor crosssaction (Wire)         1.5 mm <sup>2</sup> Material conductor vire insulation (Power)         TPM           Outer diameter vire insulation (Power)         2.4 mm           Tolerance outer diameter vire insulation (Power)         lead-free, CFC-free, habgen-free, silicone-free           Printing colour wire insulation (Power)         4           Amount strands wire (Power)         4           Amount strands wire (Power)         4           Conductor vire wire (Power)         1.5 mm <sup>2</sup> Material conductor wire (Power)         Stranded copper wire, bare           Consult or vire (Power)         Stranded copper wire, bare           Current load capacity (strandard)         to DIN VDE 0298 4           Current load capacity (mir wire)         1.3 7 Dkm (@ 20 °C           Max. rated voltage power (wire - shiteld)         4 VV @ 300 s	Amount wires	2
Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free, allicone-free           Amount strands (vire)         84           Diameter of single wires         0.15 mm²           Conductor crossection (vire)         1.5 mm²           Material conductor wire         Strandad copper wire, bare           Conductor type (vire)         strand class 6           Material wire insulation (Power)         TPM           Outer diameter wire insulation (Power)         14 mm           Tolerance outer diameter wire insulation (Power)         44 mm           Tolerance outer diameter wire insulation (Power)         44 mm           Mount wire insulation (Power)         wire (insulation strands wire (Power)           Miterial consultation (Power)         Wire (insulation back)           Amount wire (Power)         84           Diameter of single wires (Power)         84           Diameter of single wires (Power)         15 mm²           Miterial 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)         Stranded copper wire, bare           Conductor wire (Power)         Stranded copper wire, bare           Conducto	Outer diameter insulation	2,4 mm
Amount stands (wire)     84       Diamater of single wires     0.15 mm²       Conductor visesection (wire)     1.5 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     et and class 6       Material wire insulation (Power)     TPM       Outer diameter wire insulation (Power)     15 %       Ingredient freeness wire insulation (Power)     16 %       Ingredient freeness wire insulation (Power)     16 %       Printing colur wire insulation (Power)     4       Amount strands wire (Power)     84       Diameter of single wires (Power)     0.15 mm²       Material wire insulation (Power)     1.5 mm²       Material conductor wire (Power)     0.15 mm²       Wire conductor cross section (Power)     1.5 mm²       Material conductor wire (Power)     Stranded copper wire, bare       Conductor yoe wire (Power)     Stranded copper wire, bare       Conductor yoe wire (Power)     Stranded copper wire, bare       Conductor yoe wire (Power)     1.5 mm²       Material constant wire     13.7 Dkm @ 20 °C       Electrical resistance (Index) (Index)     10 DN VDE 0284       Current totad capacity (Index)     10 DN VDE 0284       Current totad capacity (Index wire)     100 V       Max. rated voltage power (conductor - ground)     600 V       Max. ra	Outer diameter tolerance core insulation	±5%
Diameter of single wires         0,15 mm           Conductor vorsescetion (vive)         1.5 mm²           Material conductor vive         Stranded copper wive, bare           Conductor lype (wire)         strand class 6           Material wire insulation (Power)         TPM           Outer diameter wire insulation (Power)         2.4 mm           Tolerance outer diameter wire insulation (Power)         4.5 %           Imgredient freeness wire insulation (Power)         4.4 mm           Amount strands wire (Power)         4           Amount strands wire (Power)         4           Amount strands wire (Power)         8.4           Diamater of single wrise (Power)         1.5 mm?           Material conductor wire (Power)         1.5 mm?           Material collactor wire (Power)         1.5 mm?           Material collacapacity (standard)         to DIN VDE 0298-4 <td>Ingredient freeness wire insulation</td> <td>lead-free, CFC-free, halogen-free, silicone-free</td>	Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)         1,5 mm²           Material wire insulation (Power)         TPM           Outer diameter wire insulation (Power)         TPM           Dierarce outer vire insulation (Power)         2,4 mm           Tolerance outer vire insulation (Power)         45 %           Ingredient freeness wire insulation (Power)         lead free, CFC-Iree, halogen-free, silicone-free           Printing colour wire insulation (Power)         lead free, CFC-Iree, halogen-free, silicone-free           Printing colour wire insulation (Power)         lead free, CFC-Iree, halogen-free, silicone-free           Printing colour wire insulation (Power)         lead free, CFC-Iree, halogen-free, silicone-free           Printing colour wire (Power)         84           Amount strands wire (Power)         84           Diameter of single wires (Power)         1,5 mm²           Material conductor wire (Power)         Stranded copper wire, bare           Conductor y wire (Power)         Stranded copper wire, bare           Conductor wire (Power)         Stranded copper wire, bare           Canductor y wire (Power)         Stranded dosper wire, bare           Canductor y wire (Power)         Stranded copper wire, bare           Canductor y wire (Power)         Stranded dosper dosper wire, bare           Canductor y wire (Power)         Stranded dosper dosper	Amount strands (wire)	84
Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Material wire insulation (Power)         2.4 mm           Tolerance outer diameter wire insulation (Power)         15 %.           Ingradient freeness wire insulation (Power)         16 %.           Ingradient freeness wire insulation (Power)         16 %.           Material wire insulation (Power)         16 %.           Mount wires (Power)         4           Amount strands wire (Power)         84           Diameter of single wires (Power)         0,15 mm           Wire conductor cross section (Power)         1,5 mm²           Material conductor wire (Power)         1,5 mm²           Taversing distance (Chreack)         50 m @ 25 °C   Intrixontal           Current load capacity (standard)         to DN VDE 0298-4           Current load capacity (standard)         to DN VDE 0298-4           Current load capacity (rin, wire         12,6 Å           Current load capacity (rin, wire         13,7 Ωkm @ 20 °C           Max. rated voltage power (conductor - ground)         600 V           Max. rated voltage power (wire - shield)         14 KV @ 300 s           Power toquency, withstand voltage power (wire - shield)         14 KV @ 300 s           Corrent load capacity (wire - wire) <td>Diameter of single wires</td> <td>0,15 mm</td>	Diameter of single wires	0,15 mm
Conductor type (wire)         strand class 6           Material wire insulation (Power)         TPM           Outer diameter wire insulation (Power)         15 %           Ingredient freeness wire insulation (Power)         45 %           Ingredient freeness wire insulation (Power)         Head-free, CFC-free, halogen-free           Printing colour wire insulation (Power)         Head-free, CFC-free, halogen-free           Amount strand wire (Power)         A           Amount strand wire (Power)         B4           Diameter of single wires (Power)         0.15 mm           Material conductor wire (Power)         Strand class 6           Conductor type wire (Power)         Strand class 6           Conductor type wire (Power)         Strand class 6           Conductor type wire (Power)         Strand class 6           Current load capacity min. wire         12.6 A           Electrical resistance (Ic constant wire         13.7 Okm @ 20 °C           Electrical resistance line constant wire         13.7 Okm @ 20 °C           Material voltage power (wire - shield)         16000 V           Max. rated voltage power (wire - shield)         16000 V           Max. rated voltage power (wire - shield)         4 kV @ 300 s           Ac withstand voltage power (wire - shield)         4 kV @ 300 s           Ac withs	Conductor crosssection (wire)	1,5 mm <sup>2</sup>
Material wire insulation (Power)         TPM           Outer diameter wire insulation (Power)         2.4 mm           Tolerance outer diameter wire insulation         45 %           (Power)         Ingredient freeness wire insulation (Power)         white (isolation black)           Amount wires (Power)         4           Amount wires (Power)         4           Amount wires (Power)         4           Amount wires (Power)         84           Diameter of single wires (Power)         84           Diameter of single wires (Power)         84           Diameter of single wires (Power)         55 mm           Miter conductor costs section (Power)         1.5 mm <sup>3</sup> Material user (Conductor wire (Power)         Standed copper wire, bare           Conductor type wire (Power)         Standed copper wire, bare           Canductor wire (Power)         Standed copper wire, bare           Canductor type wire (Power)         Standed copper wire, bare           Current load capacity (standard)         to DIN VDE 0284.4           Current load capacity (standard)         to DIN VDE 0290 °C           Max: rated voltage power (conductor - ground)         600 V           Max: rated voltage power (conductor - ground)         600 V           Max: rated voltage power (wire - shield)         4 k	Material conductor wire	Stranded copper wire, bare
Outer diameter wire insulation (Power)         2.4 mm           Tolerance outer diameter wire insulation         ±5 %           Ingredient freeness wire insulation (Power)         lead-free, CFC-free, halogen-free, silicone-free           Printing colour wire insulation (Power)         lead-free, CFC-free, halogen-free, silicone-free           Amount wires (Power)         4           Amount wires (Power)         84           Diameter of single wires (Power)         0.15 mm           Wire conductor cress section (Power)         Standed copper wire, bare           Conductor type wire (Power)         strand class 6           Traversing distance (C-track)         50 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0288-4           Current load capacity (standard)         to DIN VDE 028-4           Current load capacity min, wire         12.6 A           Electrical resistance coating wire (Power)         13.7 Okm @20 °C           Max. rated voltage power (conductor - groun	Conductor type (wire)	strand class 6
Tolerance outer diameter wire insulation (Power)       ±5 %         Ingradient freeness wire insulation (Power)       Iead-free, CFC-free, halogen-free, silicone-free         Printing colour wire insulation (Power)       White (isolation black)         Amount strands wire (Power)       4         Diameter of single wires (Power)       0.15 mm         Wire conductor cross section (Power)       1.5 mm <sup>2</sup> Material conductor wire (Power)       Stranded copper wire, bare         Conductor type wire (Power)       Strand class 6         Traversing distance (C-track)       50 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Querent load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power (wire - shield)       4 kV @ 300	Material wire insulation (Power)	ТРМ
(Power)         20 %           Ingradient freeness wire insulation (Power)         lead-free, CFC-free, halogen-free, silicone-free           Printing colour wire insulation (Power)         4           Amount wires (Power)         84           Diameter of single wires (Power)         84           Diameter of single wires (Power)         0.15 mm           Wire conductor vros section (Power)         Stranded copper wire, bare           Conductor type wire (Power)         Stranded copper wire, bare           Current load capacity (standard)         to DIN VDE 0298-4           Max. ratel voltage power (conductor - ground)         600 V           Max. ratel voltage power (conductor - ground)         600 V           Max. ratel voltage power (conductor - shield)         1000 V           Rower frequency withstand voltage power (wire - shield)         4 kV @ 300 s           Power frequency withstand voltage power (wire - shield	Outer diameter wire insulation (Power)	2,4 mm
(rower)         Ingredient freeness wire insulation (Power)       lead-free, CFC-free, halogen-free         Printing colour wire insulation (Power)       4         Amount strands wire (Power)       4         Amount strands wire (Power)       84         Diameter of single wires (Power)       0.15 mm         Wire conductor cross section (Power)       1.5 mm <sup>2</sup> Material conductor wire (Power)       Stranded copper wire, bare         Conductor type wire (Power)       strand class 6         Traversing distance (C-track)       50 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       12,6 A         Electrical resistance line constant wire       13,7 Ω/km @ 20 °C         Max. rated voltage power (conductor - conductor	Tolerance outer diameter wire insulation	+5 %
Printing colour wire insulation (Power)       white (isolation black)         Amount wires (Power)       4         Amount strands wire (Power)       84         Diameter of single wires (Power)       0.15 mm         Wire conductor vros section (Power)       1.5 mm²         Material conductor wire (Power)       Stranded copper wire, bare         Conductor type wire (Power)       Stranded copper wire, bare         Conductor type wire (Power)       strand class 6         Traversing distance (C-track)       50 m @ 25 °C (horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Electrical resistance coating wire (Power)       13.7 Ωkm @ 20 °C         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       600 V         Cartent load capacity line constant (wire - shield)       160000 pF/km         (power)       160000 pF/km         Ac withstand voltage power (wire - wine)       4 kV @ 300 s         Power frequency withstand voltage power (wire - shield)       4 kV @ 300 s         Min. operating temperature (static)		
Amount wires (Power)       4         Amount strands wire (Power)       84         Diameter of single wires (Power)       0.15 mm         Wire conductor ross section (Power)       1.5 mm <sup>2</sup> Material conductor wire (Power)       Stranded copper wire, bare         Conductor by wire (Power)       strand class 6         Traversing distance (C-track)       50 m @ 25 °C   horizontal         Current toad capacity (standard)       to DIN VDE 0298-4         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       1000 V         Electrical capacity line constant (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power       4 kV @ 300 s         Min. operating temperature (stank)       -30 °C         Max. operating temperature (stank)       -30 °C	Ingredient freeness wire insulation (Power)	-
Amount strands wire (Power)       84         Diameter of single wires (Power)       0.15 mm         Wire conductor cross section (Power)       1.5 mm²         Material conductor wire (Power)       Stranded copper wire, bare         Conductor type wire (Power)       strand class 6         Traversing distance (C-track)       50 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Qurrent load capacity (standard)       13,7 Ω/km @ 20 °C         Electrical resistance ine constant wire       12,6 A         Electrical resistance ine constant wire       13,7 Ω/km @ 20 °C         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       1000 V         Convert)       1000 V         Electrical capacity line constant (wire - shield)       160000 pF/km         AC withstand voltage power (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power (wire - wire)       4 kV @ 300 s         AC withstand voltage power (wire - wire)       4 kV @ 300 s         Min. operating temperature (static)       -30 °C         Max. acter of upperature (static)       -30 °C         Operating temperature min. (dynamic)       30 °C         Operating temperature min. (dynamic)       30 °C	Printing colour wire insulation (Power)	white (isolation black)
Diameter of single wires (Power)       0,15 mm         Wire conductor cross section (Power)       1,5 mm <sup>2</sup> Material conductor wire (Power)       Stranded copper wire, bare         Conductor type wire (Power)       strand class 6         Traversing distance (C-track)       50 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       12,6 A         Electrical resistance ine constant wire       13,7 Ω/km @ 20 °C         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       1000 V         Electrical capacity line constant (wire - shield)       160000 pF/km         AC withstand voltage power (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power (wire - wire)       4 kV @ 300 s         Max. operating temperature (fixed)       80 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581	Amount wires (Power)	4
Wire conductor cross section (Power)       1.5 mm²         Material conductor wire (Power)       Stranded copper wire, bare         Conductor type wire (Power)       strand class 6         Traversing distance (C-track)       50 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity standard)       to DIN VDE 0298-4         Electrical resistance ince constant wire       13,7 0/km @ 20 °C         Electrical resistance coating wire (Power)       13,7 0/km @ 20 °C         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - 000 V       1000 V         Electrical capacity line constant (wire - shield)       160000 pF/km         AC withstand voltage power (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power (wire - wire)       4 kV @ 300 s         Max. operating temperature (static)       -30 °C         Operating temperature (static)       -30 °C         Operating temperature (ixed)       80 °C         Operating temperature (static)       80 °C         Operating temperature (static)       80 °C         Flame resistance       Good, application-related testing         Gascine resistance       Good, application-related testing         Gine resistance       <	Amount strands wire (Power)	84
Material conductor wire (Power)         Stranded copper wire, bare           Conductor type wire (Power)         strand class 6           Traversing distance (C-track)         50 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         12,6 A           Electrical resistance ine constant wire         13,7 Ω/km @ 20 °C           Electrical resistance coating wire (Power)         13,7 Ω/km @ 20 °C           Max. rated voltage power (conductor - ground)         600 V           Max. rated voltage power (conductor - ground)         600 V           Max. rated voltage power (conductor - ground)         600 V           Max. rated voltage power (wire - shield)         160000 pF/km           Icomot prequency withstand voltage power         4 kV @ 300 s           Power frequency withstand voltage power (wire - wire)         4 kV @ 300 s           Min. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         30 °C           Operating temperature min. (dynamic)         80 °C           Operating temperature min. (dynamic)         30 °C           Operating temperature min. (dynamic)         80 °C           Flame resistance         Good, application-related testing<	Diameter of single wires (Power)	0,15 mm
Conductor type wire (Power)       strand class 6         Traversing distance (C-track)       50 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       12,6 A         Electrical resistance line constant wire       13,7 Ω/km @ 20 °C         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       6000 pF/km         AC withstand voltage power (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power (wire - shield)       4 kV @ 300 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (static)       -30 °C         Code, application-related testing       Good, application-related testing         Goerding temperature (static)       -30 °C         Flame resistance       UL 1581 § 1100 FT   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Goo	Wire conductor cross section (Power)	1,5 mm <sup>2</sup>
Traversing distance (C-track)       50 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Electrical resistance line constant wire       13,7 Ω/km @ 20 °C         Electrical resistance time constant wire (Power)       13,7 Ω/km @ 20 °C         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       1000 V         Concentory       1000 V         Electrical capacity line constant (wire - shield)       160000 pF/km         AC withstand voltage power (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power (wire - wire)       4 kV @ 300 s         Min. operating temperature (static)       -30 °C         Max. orgen time transmice       30 °C         Operating temperature (fixed)       80 °C         Operating temperature fixe       Good, application-related testing         Gir esistance       UL 1581 § 1100 FT2   EC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related	Material conductor wire (Power)	Stranded copper wire, bare
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       12,6 A         Electrical resistance line constant wire       13,7 Ω/km @ 20 °C         Electrical resistance coating wire (Power)       13,7 Ω/km @ 20 °C         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       1000 V         Electrical capacity line constant (wire - shield)       1000 V         Electrical capacity line constant (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power (wire - shield)       4 kV @ 300 s         AC withstand voltage power (wire - wire)       4 kV @ 300 s         Max. operating temperature (static)       -30 °C         Max. operating temperature (static)       -30 °C         Operating temperature max. (dynamic)       80 °C         Oli resistance       UL 1581 § 1100 FT2   EC 60332-2-2   UL 1581 § 1090         Chemical resistance       Good, application-related testing         Oli resistanc	Conductor type wire (Power)	strand class 6
Current load capacity min. wire       12,6 A         Electrical resistance line constant wire       13,7 Ω/km @ 20 °C         Electrical resistance coating wire (Power)       13,7 Ω/km @ 20 °C         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       1000 V         Electrical capacity line constant (wire - shield)       160000 pF/km         Corver frequency withstand voltage power (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power (wire - wire)       4 kV @ 300 s         AC withstand voltage power (wire - wire)       4 kV @ 300 s         Min. operating temperature (static)       -30 °C         Operating temperature (ixed)       80 °C         Operating temperature min. (dynamic)       -30 °C         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       4 x Outer diameter	Traversing distance (C-track)	50 m @ 25 °C   horizontal
Electrical resistance line constant wire       13,7 Ω/km @ 20 °C         Electrical resistance coating wire (Power)       13,7 Ω/km @ 20 °C         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - ground)       1000 V         Electrical capacity line constant (wire - shield)       10000 pF/km         AC withstand voltage power (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power       4 kV @ 300 s         AC withstand voltage power (wire - wire)       4 kV @ 300 s         Min. operating temperature (static)       -30 °C         Operating temperature (static)       -30 °C         Operating temperature (min. (dynamic))       -30 °C         Operating temperature min. (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       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 radius (dynamic)       7,5 x Outer diam	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance coating wire (Power)       13,7 Ω/km @20 °C         Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - conductor)       1000 V         Electrical capacity line constant (wire - shield)       160000 pF/km         AC withstand voltage power (wire - shield)       4 kV @ 300 s         Power frequency 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 power (wire - wire)       4 kV @ 300 s         Min. operating temperature (static)       -30 °C         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 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         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         Bending radius (fixed)       4 x O	Current load capacity min. wire	12,6 A
Max. rated voltage power (conductor - ground)       600 V         Max. rated voltage power (conductor - conductor)       1000 V         Electrical capacity line constant (wire - shield)       160000 pF/km         AC withstand voltage power (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power (wire - wire)       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)       -30 °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       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	Electrical resistance line constant wire	13,7 Ω/km @ 20 °C
Max. rated voltage power (conductor - conductor)       1000 V         Electrical capacity line constant (wire - shield)       160000 pF/km         AC withstand voltage power (wire - shield)       4 kV @ 300 s         Power frequency withstand voltage power (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         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -30 °C         Operating temperature max. (dynamic)       -30 °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       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 radius (dynamic)       7,5 x Outer diameter	Electrical resistance coating wire (Power)	13,7 Ω/km @20 °C
conductor)1000 VElectrical capacity line constant (wire - shield) (power)160000 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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (dynamic)7,5 x Outer diameter	Max. rated voltage power (conductor - ground)	600 V
Electrical capacity line constant (wire - shield) (power)       160000 pF/km         AC withstand voltage power (wire - shield)       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         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         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       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       4 x Outer diameter         Bending radius (dynamic)       7,5 x Outer diameter		1000 V
(power)160000 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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (dynamic)7,5 x Outer diameter	· · · · · · · · · · · · · · · · · · ·	
Power 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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical 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 diameter		160000 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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical 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 diameter	AC withstand voltage power (wire - shield)	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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical 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 diameter		4 kV @ 300 s
Max. operating temperature (fixed)80 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)80 °CFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical 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 diameter	AC withstand voltage power (wire - wire)	4 kV @ 300 s
Operating temperature min. (dynamic)       -30 °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       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       4 x Outer diameter         Bending radius (dynamic)       7,5 x Outer diameter	Min. operating temperature (static)	-30 °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       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       4 x Outer diameter         Bending radius (dynamic)       7,5 x Outer diameter	Max. operating temperature (fixed)	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       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       4 x Outer diameter         Bending radius (dynamic)       7,5 x Outer diameter	Operating temperature min. (dynamic)	-30 °C
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	Operating temperature max. (dynamic)	80 °C
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	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
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	chemical resistance	Good, application-related testing
Bending radius (fixed)     4 x Outer diameter       Bending radius (dynamic)     7,5 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)     7,5 x Outer diameter	Oil resistance	DIN EN 60811-404   Good, application-related testing
	Bending radius (fixed)	4 x Outer diameter
Torsion stress ± 30 °/m	Bending radius (dynamic)	7,5 x Outer diameter
	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: 2024-04-26

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