

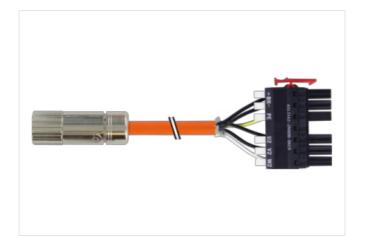
M23 SERVO CABLE

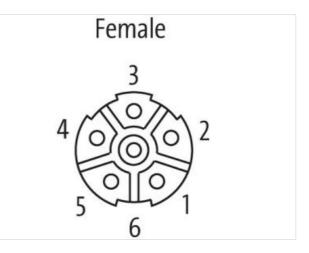
Specification: 6FX8002-5DS06-1CF0

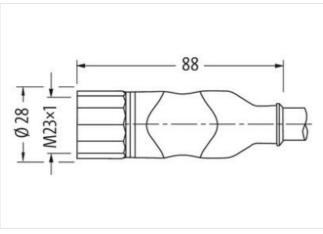
Female straight – pre-wired terminals M23, 6-pole shielded Power connector SIEMENS Power cable with brake wires for SINAMICS S120 and motors with M23 connection and holding brake without cable sleeves Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Power cores: 12 A (1.5 mm²), 15 A (2.5 mm²); brake cores: 5 A (1.5 mm²)

Link to Product

Illustration







Product may differ from Image

Cable length	25 m	
Side 1		
Tightening torque	2 Nm	
Family construction form	M23	
Thread	M23 x 1	

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suitable for corrugated tube (internal Ø)	16 mm
Width across flats	SW27
Side 2	
Family construction form	M23
suitable for corrugated tube (internal Ø)	23 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-0.1 ECLASS-7.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-0.0 ECLASS-9.0	27060327
ECLASS-3.0 ECLASS-10.1	27060327
ECLASS-10.1 ECLASS-11.1	
ECLASS-11.1 ECLASS-12.0	27060311 27060327
ECLASS-12.0 ETIM-5.0	EC000830
customs tariff number	85444290 4048879696029
Packaging unit	1
Electrical data Supply	
Dperating 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)	IP65, IP67
Additional condition protection degree	inserted, screwed
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 gasket	FKM
Material housing	PUR
_ocking material	Brass
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Dperating temperature min.	-25 °C
Operating temperature max. Additional condition temperature range	85 °C
	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation Cable	
Cable identification	821
Function cable	Hybrid, Signal, Power
Jacket Color	orange

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Stranding 2 mores with Filter wited Stranding tryop 2 4 wires with Filter anound Stranding combination twisted Cable shelding (type) capter back, finned Barding Fiber type. Feed., Foll Filter yes wire arrangement Elask, withel, back WLS.DL, back ULI.LC.L. black VL2.green-yellow) Cable weigh TMPU Freadom from impredients (jabed) TMPU Carler dimenter (jabed) 1.1 3 rm Tolerance outer dimenter (jabed) 1.5 % Material insche 2 Outer dimenter (jabed) 1.5 % Material vir insulation TPM Amount triands (wire) 8.4 mm Outer dimenter brandem 0.15 mm Canded dimenter outer brandem 5.5 % Canded dimenter outer brandem 5.5 % Cander dimenter outer brandem 5.5 % Cander dimenter outer brandem 5.5 % Cander dimenter outer brandem <t< th=""><th>Amount stranding</th><th>1</th></t<>	Amount stranding	1
Stranding (type 2) 4 wires with Filler anound Stranding combination twisted Cable shalling (type) copper braid, tinned Cable shalling (coverage) 85 % Pair Shilding (type) copper braid, tinned Banding Pher table, Pleace, Foll Filer yes warrangement black, white, (black WL3DL-, black UL1/CL+, black VL2, green yellow) Cable weigh 231 g/m Material packet TMPU Freedom from ingradients (jacket) 1.1, 3 mn Tockerne outer diventer (stacket) 1.5 % Material packet PM Toreance outer diventer (stacket) 1.5 % Material packet PM Toreance outer diventer (stacket) 1.5 % Material packet PM Toreance outer diventer (stacket) 1.5 % Cable diventer insulation 2.4 mn Cable diventer insulation 2.5 % Torean couter diventer insulation 5 % Conductor wire insulation 5 % Conductor wire insulation 2.5 % Conductor type (wire) stand dose 5 <t< td=""><td>Stranding</td><td>2 wires with Filler twisted</td></t<>	Stranding	2 wires with Filler twisted
Cable sheking (type) opper braid, trined Cable sheking (coverage) 85 % Pair helding (type) opper braid, frined Banding Fibe trap, Fleoc, Foll Filer yes with a strongerment black, while, (black WL3DL, black UL1rCL+, black VL2, green yellow) Cable weigh 231 gm Maderall jacks TMPU Cable weigh 231 gm Maderall jacks 11.3 Tm Tolerance outer diameter (heath) 5 % Marcall weigh 2.4 mm Outer diameter (heath) 5 % Marcall weigh 8.4 free, CFC free, halogen free, silcone-free Outer diameter (heath) 1.5 % Improdent treeness wire insulation 1.4 free Outer diameter (heath) 1.5 % Improdent treeness wire insulation 1.5 mm! Conductor tops section (wire) 1.5 mm! Conductor tops section (wire) 1.5 mm! Material conductor (Power) 2.4 mm Outer diameter weir insulation (Power) 2.4 mm Outer diameter weir insulation (Power) 2.4 mm	Amount stranding (type 2)	1
Cable stelling (coverage) 85 % Par shelding (type) copper back fined Par shelding (type) copper back, fined Bandrag Fiber tape, Fieldon, Fold Filler Ves wire arrangement black, white, (black WL3:DL, black UL1:CL+, black VL2; green yellow) Cable weight 231 g/m Material jarxet TMU Freezoon from ingredients (jackut) 1:3 mm Toerance outer diventer (steam) 1:5 % Material and wei nucleation 2 Otare diameter instantion 2.4 mm Outer diameter tolerance core insulation 1:4 mm Outer diameter tolerance core insulation 1:4 mm Combutor vise 2 Outer diameter tolerance core insulation 1:4 mm Combutor vises 8:4 Diameter of single wise 0:5 mn Conductor vises weich insulation (Power) 1:5 mm Conductor vises existion (Power) 1:5 mm Conductor vise insulation (Power) 1:5 mm Conductor vise insulation (Power) 1:5 mm Tolerance vise insulation (Power) 1:5	Stranding (type 2)	4 wires with Filler around Stranding combination twisted
Pair shelding (type) copper bried, tinned Banding Fiber tapo, Fleece, Foil Filer yes wite arrangement black, white, (black WL32DL, black UL1/CL+, black VL2, green yellow) Gable weigh 21 g/m Material jacket TAPU Freedom from ingredients (acket) 11.3 m Tolerance outer diameter (shalth) 4.5 % Material vie instalation TPM Amount stands 2.4 mm Outer diameter instalation 4.4 mm Conter diameter instalation 1.5 mm Targedient tenses wire instalation 1.6 mm? Conductor or seasection (wire) 1.5 mm? Conductor view Strand copper wire, bare Conductor view (wire) 1.5 mm? Material view instalation (Power) 2.4 mm Conductor view is instalation (Power) 2.4 mm Conductor type (wre) strand class 6 Material view instalation (Power) 2.4 mm Conductor view instalation (Power) 4.4 Amount strands (sing bare, PCe-free, halogen-free, allocne-free Printing colour wire instalation (Power)	Cable shielding (type)	copper braid, tinned
Bandring Fiber tape, Fibers, Foll Filter yes wera arrangement black, white, (black WL3/DL-, black UL1/CL+, black VL2, green-yellow)' Cable weigh 23 g/m Material jacket TMPU Freedom from ingredients (jacket) lead-free, CFC-free, habogen-free, allicone-free Cater diameter (jacket) 11,3 mm Telerance exter diameter (jacket) 5 % Material jacket 5 % Cater diameter (jacket) 15 % Cater diameter (jacket) 15 % Cater diameter insulation 2.4 mm Cater diameter insulation 2.4 mm Cater diameter insulation 15 % Candidor trye weire insulation 15 mm? Canductor oxossection (wire) 15 mm? Canductor oxossection (wire) 15 mm? Canductor oxossection (wire) 24 mm Canductor oxossection (wire) 24 mm Canductor oxos section (Power) 74M Outer diameter wei insulation 25 % Impredient freemess wei insulation (Power) 15 mm? Material pictor oxos wein insulation (Power)	Cable shielding (coverage)	85 %
Filer yes wire arrangenent black, white, (black WL3:DL-, black UL1:ICL+, black VL2, green-yellow) Cable weigh 231 gm Material jacket TMPU Freedom from ingredients (gacket) lead-free, CFC-free, halogen-free, silicone-free Outer diameter (gacket) 11.3 mm Toerance outer diameter (staution) 2.5 % Material wei insulation TPM Amount wires 2 Outer diameter insulation 2.4 mm Outer diameter insulation 1.6 % Ingredient fuences wire insulation 1.6 % Diameter of single wires 0,15 mm Canductor crossection (wire) 1.5 mm Canductor vires (wire) 4 mm Diameter of single wires 0,15 mm Canductor vire (wire) 3 farad class 6 Material conductor wire insulation (Power) 2.4 mm Toerance outer diameter wire insulation (Power) 1.5 % Impredient tenses wire insulation (Power) 4.4 mm Amount strands wire insulation (Power) 4.5 % Inter diameter wire insulation (Powere) 4.5 % Co	Pair shielding (type)	copper braid, tinned
wire arrangement black, while, (black WL37DL, black UL17CL+, black UL1, CL+, black UL1, black UL1, black UL1, black UL1, black UL1, black UL1, black U	Banding	Fiber tape, Fleece, Foil
Cabla weigh 231 pm Material jacket TMPU Freedom from ingredients (jacket) Isad free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 1.3 mm Tolerance outer diameter (jacket) 1.5 % Material wire insulation TPM Arnount wires 2 Outer diameter fuelation 2.4 mm Outer diameter fuelation 1.5 % Ingredient freeness wire insulation Isad-free, CFC-free, halogen-free, silicone-free Arnount strand(svire) 84 Dameter of single wires 0.15 mm Conductor vicessection (wire) 1.5 mm ² Material wire insulation (Power) TPM Conductor vice section (wire) 1.5 mm ² Material wire insulation (Power) TPM Outer diameter wire insulation (Power) 1.5 mm ² Tolerance outer diameter wire insulation (Power) 4.5 % Printing Soluri wire insulation (Power) 4.4 mm Tolerance outer diameter wire insulation (Power) 4.5 % Impredient treaness wire insulation (Power) 4.4 mount strands wire insulation (Power) Tolerance outer dina	Filler	yes
Material jacket TMPU Freedom from ingredients (jacket) It.3 mm Outer diameter (sheath) 1:5 % Material wire insulation TPM Amount wires 2 Outer diameter insulation 2.4 mm Outer diameter insulation 2.4 mm Outer diameter insulation 8.4 Ingredient freeness wire insulation 8.4 Diameter of single wires 0.15 mm Conductor crosssection (wire) 1.5 mm² Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor vire (wire) 1.5 mm² Conductor vire (wire) 1.4 mm Conductor vire (wire) 1.4 mm <td< td=""><td>wire arrangement</td><td>black, white, (black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow)</td></td<>	wire arrangement	black, white, (black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow)
Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 1.3 mm Tolerance uter diameter (shall) 1.5 % Material ameter (shall) 1.7 mm Amount wires 2 Outer diameter insulation 2.4 mm Outer diameter insulation 1.5 % Ingredient freeness wire insulation 1.6 mm Conclustor conserves wire insulation 1.6 mm Conclustor conserves wire insulation 1.5 mm ² Conclustor conserves Stranded copper wire, bare Conclustor conserves 0.15 mm ² Conductor rule Stranded copper wire, bare Conductor rule insulation (Power) 1.5 mm ² Outer diameter wire insulation (Power) 2.4 mm Tolerance uter insulation (Power) 4.5 % Ingredient freeness wire insulation (Power) 4.5 % Nomunit strands wire (Power) 4.4 Nomunit strands wire (Power) 4.4 Nament wire (Power) 1.5 mm ² Material ovincitavire (Power) 1.5 mm ² Material ovinitavire (Power) 1.5 mm ²	Cable weigth	231 g/m
Outer-dameter (jacket) 11.3 mm Tolerance outer diameter (sheath) 1 5 % Arnount wires 2 Outer diameter insulation TPM Arnount wires 2 Outer diameter insulation 1.5 % Ingredient Teeness wire insulation Leaf free, CFC-free, halogen-free, silicone-free Amount strands (wire) 84 Dameter disinger wires 0.15 mm Conductor rops (wire) 1.5 mm? Conductor vire Strandd copper wire, bare Conductor vire (wire) 1.5 mm? Conductor vire insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) 4.4 Mount wire (Power) 4.4 Amount wire (Power) 84 Diameter disingle wire (Power) 84 Diameter disingle wire (Power) 84 Diameter disingle wire (Power) 84 Material wire (Power) 84 Diameter disingle (conductor - conductor) 100 V Material wire (Power) 84 Di	Material jacket	TMPU
Tolerance outer diameter (shealth) ± 5 % Material wire insulation TPM Anount wires 2 Outer diameter insulation 2,4 mm Duter diameter insulation ± 5 % Ingredient Reseass wire insulation ± 5 % Ingredient Reseass wire insulation ± 5 % Conductor crosses wire insulation ± 6 % Amount strands (wire) 84 Diameter of single wires 0.15 mm Conductor rossescotion (wire) 1.5 mm² Conductor vires Stranded capper wire, bare Conductor type (wire) atrand dass 6 Material wire insulation (Power) 2,4 mm Tolerace outer diameter wire insulation ± 5 % Ingredient Resenses wire insulation (Power) ± 5 % Printing colour wire insulation (Power) ± 5 % Amount wires (Power) 4 Amount strands wire (Power) 9 % Wire conductor oras section (Power) 1,5 mm² Material wire (Power) 5 framded capper wire, bare Conductor vire (Power) Stranded dass 6 Material conductor vire (Power)	Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free, silicone-free
Material wire insulation TPM Amount wires 2 Outer diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation lead free, CFC-free, halogen free, silicone-free Amount stands (wire) 84 Dameter of single wires 0,15 mm Conductor crossection (wire) 1.5 mm? Material conductor wire Stranded copper wire, bare Conductor vise Stranded copper wire, bare Conductor vise Stranded copper wire, bare Conductor vise insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) iead-free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) iead-free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) iead-free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) iead-free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) iead-free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) isa free, CFC-free, halogen-free, silicone-free Marount wires (Powar)	Outer-diameter (jacket)	11,3 mm
Amount wires 2 Outer diameter insulation 2.4 mm Outer diameter insulation 1.5 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 94 Dameter of single wires 0.15 mm Conductor arcossection (wire) 1.5 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) tranded case 6 Material wire insulation (Power) TPM Outer diameter wire insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) 4 Armount wires (Power) 4 Armount wires (Power) 4 Amount wires (Power) 4 Armount wires (Power) 4 Armount wires (Power) 1.5 mm ² Material conductor wire (Power) 1.5 mm ² Conductor wire (Power) 1.5 mm ² Conductor wire (Power) 1.5 mm ²	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 2.4 mm Outer diameter tolerance core insulation 15 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 84 Diameter of single wires 0.15 mm Conductor crossection (wire) 1,5 mm ³ Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material conductor wire insulation (Power) 2,4 mm Tolerance outer diameter wire insulation (Power) 1,5 % Ingredient freeness wire insulation (Power) tead-free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) wihte (solation black) Amount strands wire (Power) 4 Amount strands wire (Power) 5 tranded copper wire, bare Conductor ross section (Power) 1,5 mm ³ Material conductor wire (Power) 5 tranded copper wire, bare Conductor type wire (Power) 5 tranded copper wire, bare Conductor type wire (Power) 5 tranded copper wire, bare Conductor type wire (Power) 5 tranded copper wire, bare Conductor type wire (Power) 5 tran	Material wire insulation	ТРМ
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Duter dameter tolerance core insultation ± 5 % Ingredient treeness wire insultation tead-tree, CFC-free, halogen-free, silicone-free Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material insulation (Power) 2,4 mm Tolerance outer diameter wire insulation (Power) 45 % Ingredient freeness wire insulation (Power) 4 Amount strands wire (Power) 84 Diameter of single wires (Power) 84 Material strain (Power) 84 Diameter of single wires (Power) 1,5 mm ² Material conductor wire (Power) Strand class 6 Max: rated voltage (conductor - conductor)	Outer diameter insulation	2,4 mm
Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Power) TPM Colductor type (wire) strand class 6 Material conductor wire insulation (Power) 2,4 mm Tolerance outer diameter wire insulation (Power) stram Ingredient freeness wire insulation (Power) white (isolation black) Amount wires (Power) 4 Amount wire (Power) 84 Diameter of single wires (Power) 1,5 mm² Material conductor cross section (Power) 1,5 mm² Material conductor - conductor) 1000 V Max. rated voltage (conductor - conductor) 1000 V Max. rated voltage (conductor - orgrund) 600 V Current load capacity min. wire 12,6 A Electrical resistance line constant wire 13,7 D/km @20 °C CA Withstand voltage (wire - wire) 13,7 D/km @20 °C CA Withstand voltage (wire - wire) 12,0 D/km @20 °C Electrical capacity min. wire (Power) 13,7 D/km @20 °C <td>Outer diameter tolerance core insulation</td> <td></td>	Outer diameter tolerance core insulation	
Diameter of single wires 0,15 mm² Conductor rosssection (vire) 1.5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Power) TPM Outer diameter wire insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) 4 Amount wire insulation (Power) 4 Amount wire insulation (Power) 4 Amount wires (Power) 4 Amount strands wire (Power) 0.15 mm² Material conductor vire (Power) 4 Amount strands wire (Power) 0.15 mm² Material conductor vire (Power) 0.15 mm² Material conductor vire (Power) 0.15 mm² Material conductor vire (Power) 1.5 mm² Material conductor vire (Power) 1.5 mm² Material conductor vire (Power) 5 ma² Conductor type wire (Power) 1.5 mm² Material conductor - conductor) 1000 V Max. rated voltage (conductor - conductor) 1000 V Max. rated voltage (conductor - conductor) 1000 V Current Load capacity min. wire (Power) 1.7 G/km @ 20 °C Current carrying capacity min. wire (Power) 1.7 G/km @ 20 °C CA withstand voltage (wire - wine) 120000 pF/km </td <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 visci sulation (Power) Stranded copper wire, bare Conductor type (wire) strand class 6 Material visci sulation (Power) 7 PM Outer diameter wire insulation (Power) 2,4 mm Tolerance outer diameter wire insulation (Power) 2,4 mm Tolerance outer diameter wire insulation (Power) lead-free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) white (Isolation black) Amount strands wire (Power) 44 Amount strands wire (Power) 84 Diameter of single wires (Power) 0,15 mm Wire conductor ross section (Power) 1.5 mm² Material voltage (conductor - conductor) 1000 V Max. rated voltage (conductor - conductor) 1000 V Max. rated voltage (conductor - conductor) 1000 V Max. rated voltage (conductor - ground) 600 V Current toal capacity (strander) to DIN VDE 0298-4 Current toal capacity (strander) to DIN VDE 0298-4 Current load capacity min. wire 12,6 A Electrical resistance contage wire (Power) 13,7 Ω/m @ 20 °C AC withstand voltage (wire - wire) 4 kV @	Amount strands (wire)	84
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Power) TPM Outer diameter wire insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) ±5 % Ingredient freeness wire insulation (Power) tead-free, CFC-free, halogen-free Printing colour wire insulation (Power) 4 Amount wires (Power) 4 Amount strands wire (Power) 84 Diameter of single wires (Power) 0.15 mm Wire conductor cross section (Power) 5tranded copper wire, bare Conductor type wire (Power) 5tranded copper wire, bare Conductor wire (Power) Stranded copper wire, bare Conductor type wire (Power) Stranded copper wire, bare Conductor wire (Power) Stranded copper wire, bare Conductor ying (conductor - ground) 600 V Current load capacity min. wire 12.6 A 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 Electrical	Diameter of single wires	0,15 mm
Conductor type (wire) strand class 6 Material wire insulation (Power) TPM Outer diameter wire insulation (Power) 2,4 mm Tolerance cutre diameter wire insulation (Power) ±5 % Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) 4 Amount wires (Power) 4 Amount strands wire (Power) 84 Diameter of single wires (Power) 0,15 mm Wire conductor cross section (Power) 15 mm ² Material conductor wire (Power) Strande class 6 Max. rated voltage (conductor - conductor) 1000 V Max. rated voltage (conductor - ground) 600 V Current load capacity min. wire 12.6 A Electrical resistance line constant wire 13.7 0/km @20 °C Electrical resistance constant wire 13.7 0/km @20 °C Ac withstand voltage (wire - wire) 4 kV @ 300 s Electrical capacity line constant (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 <	Conductor crosssection (wire)	1,5 mm ²
Conductor type (wire) strand class 6 Material wire insulation (Power) TPM Outer diameter wire insulation (Power) 2,4 mm Tolerance cutre diameter wire insulation (Power) ±5 % Ingredient freeness wire insulation (Power) lead-free, CFC-free, halogen-free, silicone-free Printing colour wire insulation (Power) 4 Amount wires (Power) 4 Amount strands wire (Power) 84 Diameter of single wires (Power) 0,15 mm Wire conductor cross section (Power) 15 mm ² Material conductor wire (Power) Strande class 6 Max. rated voltage (conductor - conductor) 1000 V Max. rated voltage (conductor - ground) 600 V Current load capacity min. wire 12.6 A Electrical resistance line constant wire 13.7 0/km @20 °C Electrical resistance constant wire 13.7 0/km @20 °C Ac withstand voltage (wire - wire) 4 kV @ 300 s Electrical capacity line constant (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 <	Material conductor wire	Stranded copper wire, bare
Outer diameter wire insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) ±5 % Ingredient feeness wire insulation (Power) lead-free, CFC-free, halogen-free 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 cross section (Power) 1.5 mm ² Material conductor vire (Power) Stranded copper 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 carying capacity min. wire (Power) 12,6 A Electrical resistance line constant wire 13,7 Ω/km @ 20 °C Electrical resistance line constant (wire - wire) 12000 pF/km Electrical capacity line constant (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - shield) 160000 pF/km Electrical capacity line constant (wire - shield) 4 kV @ 300 s Electrical capacity line	Conductor type (wire)	
Outer diameter wire insulation (Power) 2.4 mm Tolerance outer diameter wire insulation (Power) ±5 % Ingredient feeness wire insulation (Power) lead-free, CFC-free, halogen-free 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 cross section (Power) 1.5 mm ² Material conductor vire (Power) Stranded copper 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 carying capacity min. wire (Power) 12,6 A Electrical resistance line constant wire 13,7 Ω/km @ 20 °C Electrical resistance line constant (wire - wire) 12000 pF/km Electrical capacity line constant (wire - wire) 4 kV @ 300 s Electrical capacity line constant (wire - shield) 160000 pF/km Electrical capacity line constant (wire - shield) 4 kV @ 300 s Electrical capacity line		ТРМ
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Isolation resistance 2500 MΩ × km Electrical capacity line constant (wire - shield) (power) 160000 pF/km Electrical capacity line constant (wire - wire) 90000 pF/km		4 kV @ 300 s
(power) Electrical capacity line constant (wire - wire)	Isolation resistance	2500 MΩ × km
Electrical capacity line constant (wire - wire)		160000 pF/km
	Electrical capacity line constant (wire - wire)	90000 pF/km

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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
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	00 °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
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
Travel speed (C-track)	5 m/s @ 25 °C
Torsion stress	± 30 °/m

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