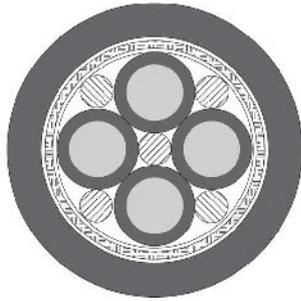


TOPSERV® 152 / 153 PVC, according to Siemens Standard

6FX 5008-, flexible, low capacitance motor supply cable, 0,6/1kV



Technical data

TOPSERV® 153

- Special PVC motor cable
- Based on DIN VDE 0281, 0245, 0250, 0281
- **Temperature range**
flexing -5°C to +80°C
fixed installation -40°C to +80°C
- **Nominal voltage**
acc. to VDE U₀/U 600/1000 V
- **A.c. test voltage**, 50 Hz
4000 V
- **Mutual capacitance**
core/core approx. 70 nF/km
core/screen approx. 110 nF/km
- **Insulation resistance**
min. 20 MΩm x km
- **Coupling resistance**
max. 250 Ωm/km
- **Minimum bending radius** for flexible installation approx. 20 x cable Ø
fixed installation approx. 6 x cable Ø

TOPSERV® 152

- Special PVC motor cable acc. to UL AWM Style 21179 and CSA AWM
- **Nominal voltage**
acc. to UL 1000 V
acc. to VDE U₀/U 600/1000 V

Cable construction

- Bare copper, fine wire conductors, bunch stranded in acc. with DIN VDE 0295 cl. 5 or IEC 60228 cl. 5
- Polypropylene core insulation, halogen-free
- Black cores with sequential numbering imprinted in white, acc. to DIN VDE 0293
- Green-yellow earth core
- Cores stranded in layers with optimal lay-length
- Tinned copper braided screening, coverage approx. 85%
- Special PVC sheath
- Sheath colour orange (RAL 2003) according to DESINA®

• TOPSERV® 152 acc. to SIEMENS Standard

Part No.	cross-sec	SIEMENS Part-No.
79544	4x1,5	6FX 5008-1BB11
79545	4x2,5	6FX 5008-1BB21
79546	4x4	6FX 5008-1BB31
79547	4x6	6FX 5008-1BB41
79548	4x10	6FX 5008-1BB51
79549	4x16	6FX 5008-1BB61
79550	4x25	6FX 5008-1BB25
79551	4x35	6FX 5008-1BB35
79552	4x50	6FX 5008-1BB50
700442	4x70	6FX 5008-1BB70

SIEMENS product designations 6FX 5008 are registered trademarks of Siemens AG and serve only for comparison purposes.

Properties

- Special PVC sheath, largely oil resistant, self-extinguishing and flame retardant, test method B acc. to VDE 0472 part 804 and IEC 60332-1, chemical resistance (see table Technical Information)
- Optimum compliance with requirements for electromagnetic compatibility (EMC) by approx. 85% coverage from the braided screen
- These cables are produced to high quality specifications and conform to the DESINA®-standard
- The use of polypropylene for core insulation means that thanks to the reduction in cable-related losses these low capacitance motor cables can have longer cable lengths between the converter and the motor than with comparable cables with PVC insulation

Note

- For applications with continuous movement, such as in energy supply chains, we recommend that you use our highly-flexible motor supply cables TOPSERV® 150 and TOPSERV® 151.
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- Desina®: Explanation: see introduction.

Application

Used as supply cables for electronically controlled servomotors, frequency converters and for connection to DNC motors. These cables are suitable for flexible and fixed installation subjected to medium mechanical stresses in dry, moist and wet rooms.

Particularly recommended as a supply cable between frequency converters and servomotors.

Important! Attractive for export-oriented mechanical and system engineering.

EMC = Electromagnetic compatibility

To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

TOPSERV® 152 with UL/CSA-approvals

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
79544	4 x 1,5	10,1	131,0	150,0	16
79545	4 x 2,5	12,3	187,0	230,0	14
79546	4 x 4	13,9	247,0	315,0	12
79547	4 x 6	15,8	349,0	450,0	10
79548	4 x 10	20,2	520,0	710,0	8
79549	4 x 16	24,5	780,0	1040,0	6
79550	4 x 25	29,7	1142,0	1500,0	4
79551	4 x 35	34,3	1683,0	1995,0	2
79552	4 x 50	39,3	2349,0	2755,0	1
700442	4 x 70	42,5	3120,0	4600,0	2/0

TOPSERV® 153 without UL/CSA-approvals

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
79535	4 x 1,5	10,1	131,0	150,0	16
79536	4 x 2,5	12,3	187,0	230,0	14
79537	4 x 4	13,9	247,0	315,0	12
79538	4 x 6	15,8	349,0	450,0	10
79539	4 x 10	20,2	520,0	710,0	8
79540	4 x 16	24,5	780,0	1040,0	6
79541	4 x 25	29,7	1142,0	1500,0	4
79542	4 x 35	34,3	1683,0	1995,0	2
79543	4 x 50	39,3	2349,0	2755,0	1
700443	4 x 70	42,5	3120,0	4600,0	2/0

Dimensions and specifications may be changed without prior notice.