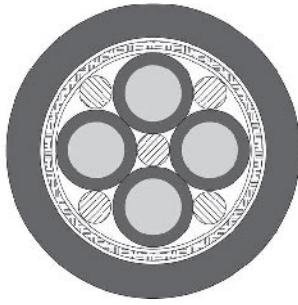


# TOPSERV® 137 / 138 PVC, according to Siemens Standard

## 6FX 5008-, flexible motor supply cable, 0,6/1kV, EMC-preferred type



### Technical data

- Special PVC motor supply cable acc. to UL AWM Style 21179 and CSA AWM
- 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 U<sub>0</sub>/U 600/1000 V  
acc. to UL/CSA 1000 V
- **A.c. test voltage**, 50 Hz  
4000 V
- **Insulation resistance**  
min. 20 MOhm x km
- **Coupling resistance**  
max. 250 Ohm/km
- **Minimum bending radius**  
for flexible installation  
approx. 20 x cable Ø  
fixed installation  
approx. 4x cable Ø

### Note

- For applications with continuous movement, such as in energy supply chains, we recommend that you use our highly-flexible motor supply cables TOPSERV® 100 and TOPSERV® 101, TOPSERV®109.
- 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.

**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® 137 (with inner sheath)

Part No.	No. cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
77242	4 x 1,5	13,0	133,0	265,0	16
77243	4 x 2,5	15,5	190,0	375,0	14
77244	4 x 4	17,8	252,0	500,0	12
77245	4 x 6	19,0	356,0	620,0	10
77246	4 x 10	25,0	530,0	1035,0	8
77247	4 x 16	27,7	796,0	1345,0	6
77248	4 x 25	33,0	1165,0	2000,0	4
77249	4 x 35	36,8	1714,0	2645,0	2
77250	4 x 50	43,0	2397,0	3850,0	1
700439	4 x 70	48,3	3090,0	4600,0	2/0

### TOPSERV® 138 (without inner sheath), UL/CSA according to Siemens Standard

Part No.	No. cores x cross-sec. mm²	SIEMENS Part No.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
77251	4 x 1,5	6FX5008-1BB11	11,0	131,0	150,0	16
77252	4 x 2,5	6FX5008-1BB21	13,0	187,0	230,0	14
77253	4 x 4	6FX5008-1BB31	15,3	247,0	315,0	12
77254	4 x 6	6FX5008-1BB41	16,4	349,0	450,0	10
77255	4 x 10	6FX5008-1BB51	22,7	520,0	710,0	8
77256	4 x 16	6FX5008-1BB61	25,0	780,0	1040,0	6
77257	4 x 25	6FX5008-1BB25	30,0	1142,0	1500,0	4
77258	4 x 35	6FX5008-1BB35	33,6	1683,0	1995,0	2
77259	4 x 50	6FX5008-1BB50	40,0	2349,0	2755,0	1
700440	4 x 70	6FX5008-1BB70	45,0	3090,0	3500,0	2/0

Dimensions and specifications may be changed without prior notice.