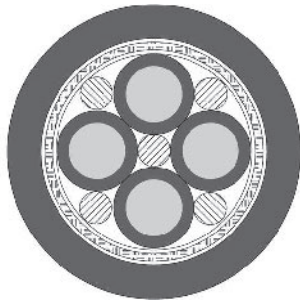


TOPSERV® 109 according to Siemens Standard 6FX 8008-

PUR, halogen-free, VDE-Reg.No.,

high flexible drag chain motor supply cable 0,6/1kV



Technical data

- Special PUR drag chain cable acc. to UL AWM Style 20235 CSA AWM
- **Temperature range**
flexing -40°C to +80°C
fixed installation -50°C to +90°C
- **Nominal voltage**
acc. to UL/CSA 1000 V
acc. to VDE U₀/U 600/1000 V
- **A.c. test voltage**, 50 Hz
4000 V
- **Insulation resistance**
min. 20 MΩm x km
- **Coupling resistance**
max. 250 Ωm/km
- **Minimum bending radius**
approx. 7,5x cable Ø

Cable construction

- Bare copper, ultra-fine wire acc. to DIN VDE 0295 cl. 6 and/or IEC 60228 cl. 6
- TPE-E core insulation, halogen-free
- Black cores with sequential numbering imprinted in white, acc. to DIN VDE 0293
- Green-yellow earth core
- Cores stranded together with optimal lay-length and stabilising filler
- Fleece wrapping facilitates sliding
- Tinned copper braided screening, coverage approx. 85%
- PUR outer sheath
- Sheath colour orange (RAL 2003) according to DESINA®

Properties

- Low adhesion, flame retardant, extremely abrasion resistant, halogen-free, resistant to UV, oil, hydrolysis and microbial attack PUR sheath
- PUR sheath self-extinguishing and flame retardant, test method B acc. to DIN VDE 0472 part 804 and IEC 60332-1
- Optimized insulation materials ensure resistance to oils (including mineral oils), greases, coolants, hydraulic fluids as well as many alkalis and solvents.
- 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.

Note

- SIEMENS product designations 6FX 8008-... are registered trademarks of Siemens AG, and are to be used only for purposes of comparison.
- For extreme applications extending beyond standard solutions we recommend that you request our questionnaire, which has been especially designed for energy supply systems.
- Please observe applicable installation regulations for use in energy supply chains.
- Desina®: Explanation: see introduction.

Application

Supply cable optimised especially for the supply of DNC motors. These cables are specially designed for use in power drag chains, handling equipment, robotics, tooling machinery, processing and manufacturing machinery. The optimised outside diameter, reduced weight and excellent torsion characteristics facilitate use in multi-shift operation with extreme alternating bending stress cycles.

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.

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.
75943	4 x 1,5	6FX8008-1BB11	10,0	104,8	175,0	16
75944	4 x 2,5	6FX8008-1BB21	11,7	157,2	265,0	14
75945	4 x 4	6FX8008-1BB31	12,8	231,4	390,0	12
75946	4 x 6	6FX8008-1BB41	15,0	332,1	570,0	10
75947	4 x 10	6FX8008-1BB51	18,0	527,0	800,0	8
75948	4 x 16	6FX8008-1BB61	22,0	794,0	1450,0	6
75949	4 x 25	6FX8008-1BB25	27,5	1180,0	1650,0	4
75950	4 x 35	6FX8008-1BB35	32,0	1603,0	2400,0	2
75951	4 x 50	6FX8008-1BB50	36,7	2165,0	3150,0	1
700437	4 x 70	6FX8008-1BB70	42,5	3196,0	4600,0	2/0

Dimensions and specifications may be changed without prior notice.