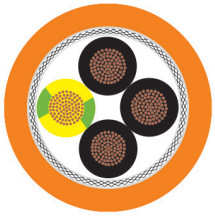
TOPSERV® 109 PUR



TECHNICAL DATA

PUR Motor and servo cable acc. to UL Std. 758 (AWM) Style 21209

Temperature range	flexible -30°C to +80°C fixed -40°C to +90°C
Nominal voltage	VDE AC U0/U 600/1000 V UL (AWM) AC 1000 V
AC Test voltage	50 Hz 4000 V
Minimum bending radius	flexible 7.5 x outer Ø fixed 4 x outer Ø

CABLE STRUCTURE

- Copper wire bare, extra finely stranded acc. to DIN VDE 0295 cl. 6 / IEC 60228 cl. 6
- Core insulation: PP
- Core identification:
  Power supply cores
  Core 1: black with imprint U/L1/C/L+
  Core 2: black with imprint V/L2
  Core 3: black with imprint W/L3/D/L-
- G = with protective conductor GN-YE
- wrapping: fleece-coated polyester foil
- Power supply cores laid up with optimal lay length and stabilising filler
- Screen: braided screen of tinned copper wires, approx. Coverage 85%
- wrapping: polyester fleece
- Outer sheath: PUR
- Sheath colour: see table
- Length marking: in metres

PROPERTIES

- resistant to: UV radiation, oil, grease, coolants, hydraulic fluids, microbes, numerous alkalis and solvents, as well as chemical cleaning supplies and disinfectants
- low adhesion
- low capacitance
- suitable for use in drag chains
- halogen-free
- These cables are manufactured in accordance with high quality guidelines and complies with the DESINA® standard
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2, CSA FT1, UL VW-1
- certifications and approvals:
- ECOLAB®

APPLICATION

The HELUKABEL TOPSERV® 109 PUR is specifically designed for power transmission in servo applications – without integrated control cores for brake function or thermal protection. The production is in accordance with the specifications of well known servo drive and control manufacturers. They are used, for example, in machine, plant and robot construction as well as in automation, drive, control and production technology. Interesting for export-oriented machine and plant construction. . EMC= Electromagnetic Compatibility; in order to optimise EMC properties, we recommend a double-sided and all-round large contact area of the copper braiding.

NOTES

- Brackets () mean screen
- SIEMENS® Article designations are registered trademarks of Siemens AG. The references in the table are for guidance only.
- This cable is manufactured in accordance with high quality guidelines and complies with the DESINA® standard
- for use in energy supply systems:
- 1) the assembly instructions must be observed
- 2) for special applications, we recommend contacting us and using our data entry form for energy supply systems

Part no.	No. cores x cross-sec. mm²	for system	Part no. OEM	Sheath colour	Outer-Ø approx. mm	Cu factor per km	Weight kg/km, approx
75943	(4G1,5)C	SIEMENS®	6FX8008-1BB11	orange	9.2	90.0	142.9
75944	(4G2,5)C	SIEMENS®	6FX8008-1BB21	orange	10.7	132.0	206.5
75945	(4G4)C	SIEMENS®	6FX8008-1BB31	orange	12.1	195.0	290.4
75946	(4G6)C	SIEMENS®	6FX8008-1BB41	orange	14.5	296.0	423.6
75947	(4G10)C	SIEMENS®	6FX8008-1BB51	orange	17.7	488.0	675.4
75948	(4G16)C	SIEMENS®	6FX8008-1BB61	orange	21.6	769.0	1034.0
75949	(4G25)C	SIEMENS®	6FX8008-1BB25	orange	25.2	1100.0	1329.0
75950	(4G35)C	SIEMENS®	6FX8008-1BB35	orange	28.6	1510.0	1936.0
75951	(4G50)C	SIEMENS®	6FX8008-1BB50	orange	33.4	2133.0	2790.0
700437	(4G70)C	SIEMENS®	6FX8008-1BB70	orange	39.9	3029.0	3801.0
700897	(4G95)C	SIEMENS®	6FX8008-1BB95	orange	47.6	4606.0	5145.0