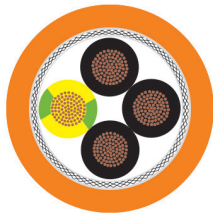


TOPSERV® 108 PVC



HELUKABEL® TOPSERV® 108 PVC 0,6/1 kV E170315 AWM DESINA C€

TECHNICAL DATA

PVC motor and servo cable acc. to UL Std. 758 (AWM) Style 21179

Temperature range	flexible 0°C to +90°C fixed -20°C to +90°C in drag chains under mechanical load 0°C to +60°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 15 x outer Ø fixed 5 x outer Ø

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
- 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: PVC
- Sheath colour: see table
- Length marking: in metres

PROPERTIES

- oil-resistant acc. to HD 22.10 Appendix A / DIN EN 60811-404
- flame-retardant acc. to IEC 60332-1-2
- suitable for drag chain applications with occasional movement
- silicone-free

- low capacity
- RoHS compliant
- 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® 108 PVC 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
707250	(4G1.5)C	MC500 SINAMICS® S120	6FX5008-1BB11	SIEMENS®	8.0	78.0	124.0
707251	(4G2.5)C	MC500 SINAMICS® S120	6FX5008-1BB21	SIEMENS®	9.6	130.0	178.0
707252	(4G4)C	MC500 SINAMICS® S120	6FX5008-1BB31	SIEMENS®	11.0	198.0	262.0
707253	(4G6)C	MC500 SINAMICS® S120	6FX5008-1BB41	SIEMENS®	13.3	288.0	380.0
707254	(4G10)C	MC500 SINAMICS® S120	6FX5008-1BB51	SIEMENS®	19.3	463.0	760.0
707255	(4G16)C	MC500 SINAMICS® S120	6FX5008-1BB61	SIEMENS®	23.7	701.0	1210.0
707256	(4G25)C	MC500 SINAMICS® S120	6FX5008-1BB25	SIEMENS®	26.9	1068.0	1660.0

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TOPSERV® 108 PVC



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
707257	(4G35)C	MC500 SINAMICS® S120	6FX5008-1BB35	SIEMENS®	30.3	1449.0	2130.0
707258	(4G50)C	MC500 SINAMICS® S120	6FX5008-1BB50	SIEMENS®	34.5	2096.0	2980.0