



DATA SHEET	DB0038060DE
LAPPKABEL SERVO Cable LK SEWX Cable for SEW* Servodrives in static application	Valid from : 15.05.2010

Application

LAPP Servo Cable SEWX according SEW[®] -Standard are flexible PVC sheathed, shielded Servo Motor Cables. Its SEW typical shielded conductor-triplet serves the two-coil electro magnetic brake.

These cables are suitable for fixed installations, also for occasional, not repeated free moving without forced guidance and tensile stress.

Usage: In between servo controller (frequency converter) and servo motor, in industrial machines, Use according US-standard NFPA 79 Edition 2007 in Industrial machinery only when part of a listed assembly.

In dry, damp and wet locations, also in the open under respect of its recommended temperature ratings. These cables are increased resistant to oils and coolants, CFC-free.

At room temperatures resistant to certain low concentrated acids and bases.

Usage in continuous movements such as in moving cable carriers, as well as on motor drum guidance or under a strain more than 15N/mm² is not allowed.

Its materials are free of CFCs, silicones as well as conform to European RoHS and CE directive.

Technical Data

Conductor	plain copper wires, fine wire, IEC 60228 class 5
Insulation	TPE-S, UL AWM Style 10390
Conductor Ident Code	Power conductors: 3 black with white letters: U, VV, WWW & 1 PE-conductor GNYE. Triplet conductors for break: black with white numbers: 1, 2, 3.
Break –Triplet	Control conductor triplet (break): 3 conductors twisted together to build a triplet. An Aluminium laminated foil is wrapped under the triplet. Spiral made of tinned copper wires, opt. coverage factor: ~ 90%.
Make up	Power conductors, triplet-element and non-hygroscopic fillers twisted together.
Overall screen	Braid of tinned copper wires, opt. coverage factor: 85 +/-5%
Outer sheath	PVC oil resistant acc. HD 21.13, UL 758 (AWM) Flame retardant acc. IEC 60332.1-2 ; UL VW-1 Orange (RAL 2003)
Nominal voltage	Power Cond.: IEC U ₀ /U: 450/750V, UL: 600 V Break Triplet: IEC 350V, UL: 600 V
Test voltage	2000 V AC
Temp. range	Static -40°C up to + 80°C Flexing -10°C up to + 80°C
Min. bending radius	Static: 4 x cables outer diameter Flexing: 15 x cables outer diameter, at temperatures not exceed 70° C
Oil resistance	acc. VDE 0473-811-2-1
Approvals	UL AWM Style 2570 or äquivalent
EC directive	Cable conforms to ECD 2006/95/EG (EU -Low -Voltage Directive)

*) SEW[®] is a registered trademark of SEW Eurodrive GmbH & Co KG, Ernst-Blickle-Str. 42, D-76646 Bruchsal, used for comparing purpose only

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