


0038060	DATA SHEET	
Valid from: 04.04.2019	LAPPKABEL SERVO Cable LK SEWX Cable for SEW* Servodrives in static application	

Application

LAPP servo cables SEWX acc. to SEW[®] standard are flexible, PVC-sheathed, shielded Servo Motor Cables. Its SEW typical, shielded conductor triplet serves the two-coil electromagnetic 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.

In dry, damp and wet locations, also outdoors under respect of its recommended temperature ratings.

These cables have increased resistance to oils and coolants, and are CFC free.

At room temperature, chemical resistance comprises 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 15 N/mm² is not allowed.

Its materials are free of CFC's, and silicones, and chemically conform to European RoHS and CE Directive.

Technical Data

Conductor	bare copper wires, fine-wired as per IEC 60228 class 5
Insulation	TPE-S acc. to UL AWM Style 10390
Conductor identification code	power conductors: 3 black w/ white letters U, VV, WWW, green-yellow PE conductor 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 aluminium laminated foil is wrapped under the triplet spiral made of tinned copper wires with approx. 90 % in optic coverage
Make up	power conductors, triplet element, and non-hygroscopic fillers twisted together
Overall screen	braid of tinned copper wires with 85 +/-5 % in optic coverage
Outer sheath	PVC, oil resistant acc. to HD 21.13, UL 758 (AWM) flame retardant acc. to IEC 60332-1-2, UL VW-1 colour: orange (similar to RAL 2003)
Nominal voltage	power conductor: IEC U ₀ /U: 450/750 V, UL: 600 V break triplet: IEC: 350 V, UL: 600 V
AC test voltage	2000 V
Temperature range	stationary: -40 °C up to +80 °C flexing: -10 °C up to +80 °C
Min. bend radius	stationary: 4 x outer cable diameter flexing: 15 x outer cable diameter - at temperatures not exceeding 70 °C
Oil resistance	VDE 0473-811-2-1
Approvals	UL AWM Style 2570, or equivalent
EU Directive	cable conforms to European Low-Voltage Directive (LVD) 2014/35/EU

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