

**INDUSTRIAL COMPONENT DATA**

# 00277171 SERVO LK SMS FX8PLUS-1BD81 LAPP Motor and resolver/encoder cables certified

Brand: LAPP | Manufacturer Part Number: 00277171



|                 |                                          |
|-----------------|------------------------------------------|
| Manufacturer    | LAPP                                     |
| MPN / Reference | 00277171                                 |
| Catalog number  | SERVO LK SMS FX8PLUS-1BD81               |
| Category        | Power cable 1 kV, for moving application |
| Minimum order   | 1 Pcs                                    |
| Document ID     | EO-950980443A                            |
| Generated       | 2026-07-29                               |

## Product Overview

SERVO LK SMS FX8PLUS-1BD81

**STRUCTURED PRODUCT DATA**

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path      LAPP > ÖLFLEX-SERVO cabling

## Additional Product Information

Servomotor- and feedback cables in acc. to SIEMENS® Standard 6FX 8PLUS for dynamic power chain application, UL/CSA AWM and VDE certified

Servo drives

PUR outer sheath

EMC-compliant

Benefits

Allows much faster speed and accelerations which increases the economic efficiency of the machines

Multi-standard certification reduces part varieties and saves costs

Increased durability under harsh conditions thanks to robust PUR outer sheath

Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media

Application range

Connecting cable between servo controller and encoder/resolver

Connecting cable between servo controller and motor

In power chains or moving machine parts

For use in assembling & pick-and-place machinery  
Particularly in wet areas of machine tools and transfer lines  
Assembly lines, production lines, in all kinds of machines

**Product features**

Dynamic power chain performance:

Acceleration up to 50 m/s<sup>2</sup>.

Travel speeds up to 5 m/s.

Travel distances up to 100 m.

Designed for 10 million alternating bending cycles and horizontal travel distances up to 100 meter

Abrasion and cut-resistant, halogen-free, oil-resistant

Flame-retardant according to IEC 60332-1-2 & CSA FT1

Norm references / Approvals

Power cable:

VDE-registered

UL AWM Style 21223

CSA AWM I/II, A/B 1000 V 80° FT 1

Signal cables:

UL/CSA AWM Style 20236

UL File No. E63634

For horizontal travel distances up to 100m

For use in power chains: Please comply wi...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send LAPP / 00277171 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten PI #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.