

**INDUSTRIAL COMPONENT DATA**

# 0029691 ÖLFLEX ROBOT F1(C) 4G1,5+(2X1) DP LAPP

## ÖLFLEX ROBOT F1(C) 4G1,5+(2X1) DP

Brand: LAPP | Manufacturer Part Number: 0029691



|                 |                                               |
|-----------------|-----------------------------------------------|
| Manufacturer    | LAPP                                          |
| MPN / Reference | 0029691                                       |
| Catalog number  | ÖLFLEX ROBOT F1(C) 4G1,5+(2X1) DP             |
| Category        | Power cable less 1 kV, for moving application |
| Minimum order   | 1 m.                                          |
| Document ID     | EO-32B56C578C                                 |
| Generated       | 2026-08-05                                    |

### Product Overview

ÖLFLEX ROBOT F1(C) 4G1,5+(2X1) DP

ÖLFLEX® ROBOT F1 ( C )

**STRUCTURED PRODUCT DATA**

### Technical Specifications

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

### Classification & Catalog Path

Catalog path      LAPP &gt; ÖLFLEX ROBOTICS cabling

### Additional Product Information

ÖLFLEX® ROBOT F1 (C) - Screened power and control cable für bending and torsional load in harsh environmental conditions with UL/cUL AWM certification

Simultaneous bending and torsion

Torsion angle up to +/- 180 °/m

AWM certification for USA and Canada

Benefits

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

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

Wide temperature range for applications in harsh climatic environments

Certified for the USA and Canada for export-oriented machine, appliance and apparatus manufacturers

Application range

Industrial machinery and machine tools

Automated handling equipment

Automotive industry

In power chains or moving machine parts

Inside of dresspacks of buckling arm robots and for use for gantry robots

Product features

Abrasion and notch-resistant

Flame-retardant

High oil-resistance

Flexible at low temperatures

Low-adhesive surface

Norm references / Approvals

UL AWM Style 20940

cUL AWM I/II A/B

UL File No. E213974

Designed for up to 10 million torsion cycles

For use in power chains: Please comply with assembly guideline Appendix T3

For travel distances up to 10 m

Product Make-up

Extra-fine strands, 0.14 mm<sup>2</sup> - 0.5 mm<sup>2</sup> made of tinned copper wires, bare above

Core insulation: TPE

Cores (or core pairs) twisted in layers or bundles

Wrappi...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send LAPP / 0029691 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

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