

INDUSTRIAL COMPONENT DATA

0028172 ÖLFLEX ROBOT 900 P 4G1 LAPP ÖLFLEX ROBOT 900 P 4G1

Brand: LAPP | Manufacturer Part Number: 0028172



Manufacturer	LAPP
MPN / Reference	0028172
Catalog number	ÖLFLEX ROBOT 900 P 4G1
Category	Power cable less 1 kV, for moving application
Minimum order	1 m.
Document ID	EO-5995F81F1C
Generated	2026-08-05

Product Overview

ÖLFLEX ROBOT 900 P 4G1

ÖLFLEX® ROBOT 900 P

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 ROBOTICS cabling
--------------	--------------------------------

Additional Product Information

ÖLFLEX® ROBOT 900 P - Power and control cable for bending and torsional load in harsh environmental conditions

Simultaneous bending and torsion

Torsion angle up to +/- 360 °/m

Benefits

Space-saving installation due to small cable diameters

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

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

Designed for up to 5 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

Fine or extra-fine strands made of bare copper wire

Core insulation: TPE

Cores twisted in layers

Versions with additional center pair:

2 cores twisted to a pair, PTFE foil wrapping, layer of tinned copper wires

Wrapping of PTFE tape

PUR outer sheath, black (similar RAL 9005)

Classification ETIM 5

ETIM 5.0 Class-ID: EC000104

ETIM 5.0 Class-Description: Control cable

Classification ETIM 6

ETIM 6.0 Class-ID: EC000104

ETIM 6.0 Class-De...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send LAPP / 0028172 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #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.