**UL/CSA-APPROVED PRODUCTS**

**ÖLFLEX®**

- **EPIC® DATA CAN bus connector**
  - flexible, UL AWM.
  - low frequency range, CMG PLTC UL/CSA listed.
  - code, screened for use in the low frequency range, UL/CSA AWM.

- **– Sub-D data connector (9 pin)**
  - notch-resistant, UL/cUL AWM.
  - for continuous mobile use, CMX UL/CSA listed.

- **ÖLFLEX®**
  - **CONTROL TM 16**
    - PVC control cable, screened, UL/cUL AWM.
  - **CONTROL TM 17**
    - flexible, UL AWM.
  - **CONTROL TM 18**
    - PVC control cable, UL/CSA AWM.

- **UNITRONIC®**
  - **BUS PB**
    - compact AS-Interface I/O modules for tool-free Fast Connect.
  - **CHAIN 809 SC**
    - for fixed installation or highly flexible use.
  - **SERVO FD 798 CP**
    - for continuous mobile use, UL/CSA AWM.
  - **TORSION FRNC**
    - for power chains, IP69K.

- **SKINTOP®**
  - **BRUSH/MS-M**
    - for fixed installation, UL/cUL AWM.
  - **CUBE**
    - cable labelling.

**EPIC®**

- **Flex Encoder Cables**
  - for hybrid applications
  - also suitable for fine wire applications

**SILVYN®**

- **FLEX-S-A, B and C** with straight/angled M12 connector.

**ETHERLINE®**

- **PROFIBUS-DP**
  - suitable for PROFIBUS-DP applications
  - connector, small, compact and powerful
  - for power supply in an electrical environment with a subsea use

- **– PUR encoder cable, screened, for high mechanical stability
  – PUR servo cable for continuous use
  – PUR robot cable for bending and torsional load
  – silicone power and control cable
  – PVC data network cable for use in the power and control field

**SKINTOP®**

- **MS-M BRUSH/MS NPT** (TH35 in compliance with DIN EN 60715)
  - field- and reliable bend and anti-kink protection
  - for demanding requirements
  - assembly tool for screw type installation

**FLEXIMARK®**

- **Label Markers**
  - multiple lettering for pre-assembled cables
  - (Cable Marking Made Easy 5.0 development)
THE WORLD OF LAPP

Ul, CSA compliant products at a glance

COMPONENTS: EXPERTISE AND INNOVATION.

BRANDED PRODUCTS – VARIOUS AS THEY MAY BE, THEY DEVELOPMENTS FULFIL EVEN THE HIGHEST DEMANDS.

THE LAPP GROUP ARE CARRIED OUT HERE IN STUTTGART.

INTERNATIONAL TEST ORDERS FROM THE ENTIRE TECHNICAL DEVELOPMENT AT U.I. LAPP GMBH.

OUR LABORATORY IS A FUNDAMENTAL PART OF THE CABLES ARE TESTED HERE FOR THEIR SUITABILITY FOR DRAG CHAINS OR ROBOTS, OUR HIGHLY FLEXIBLE PRODUCTS ARE THEREFORE SUBJECT TO UNIQUE AND CUSTOMISED RESISTANCE TESTS.

WHAT WE’RE BEST AT TESTING:

- Climatic tests
- Carrying out electrical tests
- Resistance tests
- Static and dynamic pulling
- Protection testing
- For ageing resistance

Fields of application:

- Trial sector, renewable energy.
- Office and industrial systems, including power and control cables, system products and cable facilities, you will benefit from our expertise in the development, design and manufacture of cables, system products and cable facilities. Our customer services provide you with fast solutions for your electrical engineering, whether for make-to-stock items or for complex cable and cable systems. We provide you with the right solution for virtually every application: whether it’s sensor/actuator modules or gateways, we ensure that all your requirements are met. This is how we ensure our customers always get the best quality.

Key features:

- Multipurpose. Special variants are more and more a necessity. This is why we offer a comprehensive range – everywhere, where cables have to be additionally protected or routed.
- Suitable for nearly every application: whether it’s sensor/actuator modules or gateways, we ensure that all your requirements are met. This is how we ensure our customers always get the best quality.

FLEXIMARK® and SKINTOP® are established as the Lapp Group’s brands for permanent, clearly-arranged cable markings. These durable labels can be moulded right into the cable, ensuring a perfect system. This also applies to the brand for permanent, clearly-arranged cable markings FLEXIMARK® and SKINTOP®.

UL APPROVAL:

You make demands – we provide the answer.

UL/CSA compliant products at a glance.

You can always rely on quality from Lapp – wherever you are in the world. This is also embodied by our strong brands.

THANK YOU FOR YOUR INQUIRY.

Www.lappgroup.com/worldwide