

## \* NEW ÖLFLEX TRAY II

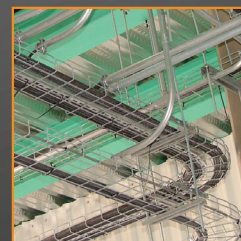
- IMPROVES PERFORMANCE
- OUTSTANDING OIL RESISTANCE
- EXCELLENT FLEXIBILITY  
IN EXTREME COLD
- MORE COPPER  
BETTER ELECTRICALS
- NO ADDITIONAL COST

MORE VALUE  
MORE BENEFITS

MORE THAN YOU  
**IMAGINE**

ÖLFLEX® TRAY II  
ÖLFLEX® TRAY II CY

ÖLFLEX® TRAY II



**AHEAD OF THE CURVE**

 **LAPP GROUP**



# GERMAN PRECISION ENGINEERING PROUDLY PRODUCED IN THE USA.



The Lapp Group North American headquarters, located in Florham Park, NJ, houses Lapp USA, Lapp Cable Works and our latest expansion, Lapp Group's Center for Competence and Innovation. This center is assessed by UL as a Client Test Data Program (CTDP) laboratory for Product Testing, R&D, Quality Validation and New Product Innovation. Lapp Cable Works is our state-of-the-art cable manufacturing plant for ÖLFLEX® brand quality products and custom designed cables. In addition, this facility houses Lapp Systems, which provides complex harnesses, integrated solutions and custom cable assemblies.



## 2600 PEOPLE, 21 LANGUAGES 1 WORLDWIDE FAMILY

In the late 1950's, Oskar Lapp turned his visionary dream into reality with the invention of the first industrially manufactured control cable, ÖLFLEX®. This was the beginning of his family run and oriented company. Lapp Group produces innovative cables, connectors, accessories, and engineered solutions as a worldwide market leader. Oskar Lapp's vision continues today through his wife, Ursula Ida, and his sons, Andreas and Siegbert Lapp.

Within 50 years, the Lapp Group has grown to 2,600 employees operating around the globe developing, manufacturing and selling more than 40,000 products. With 17 manufacturing sites, 39 company-owned sales operations, more than 100 foreign representations and worldwide headquarters in Stuttgart, Germany, the Lapp Group people are everywhere you need us to be.



**JUST WHEN YOU THOUGHT OUR CABLES  
COULDN'T GET ANY BETTER, THEY HAVE.**

Lapp's innovative new ÖLFLEX® Tray II now has enhanced oil and temperature resistance. Our Tray cables offer an even greater level of performance and longevity, which results in higher value and cost savings.



## **FIFTY YEARS AS A MARKET LEADER IS JUST THE BEGINNING OF OUR STORY**

The Lapp Group is proud to celebrate the 50th anniversary of its signature cable brand - ÖLFLEX®, and decades of delivering innovative, quality, cost-effective solutions.

And while our industry-leading company has enjoyed tremendous growth and success, our mission remains rooted in founder Oskar Lapp's original vision - to be a family-run, family-oriented company that provides its valued customers with superior products and unsurpassed value.



# ONE INSTALL AND YOU'LL UNDERSTAND

## THE ÖLFLEX® TRAY II ADVANTAGE

1

### UNRIVALED OIL RESISTANCE

Meets UL Oil Res I & II

Perfect for Industrial Areas Where Cables Face Oil Exposure

Longer Cable Life Results in Increased Productivity

2

### EXCELLENT FLEXIBILITY IN EXTREME COLD

Passes UL Cold Bend at -40°C & UL Cold Impact at -25°C

Superior New Alternative for Colder Facilities and in Colder Climates

The High Tech PVC Blend is More Cost Effective Than Rubber & Polyurethane Compounds

3

### NEWLY DESIGNED MATERIAL IMPROVES CABLE PERFORMANCE

Jacket Offers Greater Abrasion & Scuff Resistance

Even Greater Flexibility

Enhanced Strength and Resilience Properties

4

### INCREASED BENEFITS AT NO ADDITIONAL COST





# ÖLFLEX® TRAY II ÖLFLEX® TRAY II CY

FLEXIBLE & OIL RESISTANT TRAY CABLE FOR INDUSTRIAL APPLICATIONS

## APPROVALS

- UL:**
- UL Type TC-ER (Exposed Run) per UL 1277 or DP-1
  - UL AWM, Oil Res I & II, Wet Rating 75°C
  - UL MTW, NFPA 79 2007
  - UL -40°C Cold Bend & -25°C Cold Impact
  - UL Wet Rating UL 83
  - Class 1, Div. 2 per NEC Art. 336, 392, 501
  - UL WTTC (Wind Turbine Tray Cable) 1000V per UL 2277

- CSA:**
- c(UL) Type TC and CIC FT4
  - CSA-AWM I/II A/B FT4

**Additional:**

MSHA: P07-KA050016-MSHA (Shielded Only)

## HIGHLY RESISTANT TO OILS AND COOLANTS

**UL OIL RES I/CSA C22.2 No. 230**

In oil for 4 days at 100°C  
50% Unaged Tensile Strength  
50% Unaged Elongation

**UL OIL RES II**

In oil for 60 days at 75°C  
65% Unaged Tensile Strength  
65% Unaged Elongation

**UL AWM 21098/CSA C22.2 No. 30**

In oil for 60 days at 80°C  
65% Unaged Tensile Strength  
65% Unaged Elongation

## TESTED TO SEVERE PARAMETERS

**CRUSH IMPACT PER UL 1277**

**TC-ER** UL Type TC-ER: 600V  
2011 NEC Article 336.10 (7)

**COLD BEND** UL 444, UL 1581, CSA 22.2  
No. 0.3, CSA 22.2 No. 75

**COLD IMPACT** UL 1581, CSA 22.2 No. 75  
-25°C (CSA-TC)

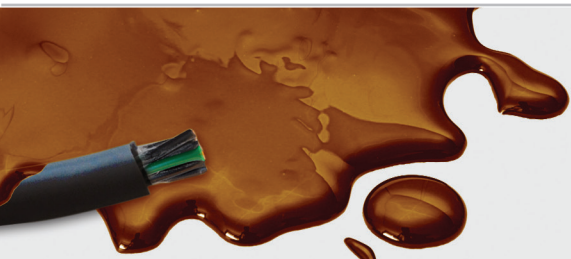
\*Industrial standards set by Lapp Group. For more details see our cable attribute charts at [www.lappusa.com](http://www.lappusa.com) or in Lapp's full line catalog.

## AVAILABLE SIZES

AWG / mm <sup>2</sup> *	CONDUCTOR COUNT
18 AWG / 1.0 mm <sup>2</sup>	3   4   5   7   9   12   18   25
16 AWG / 1.5 mm <sup>2</sup>	3   4   5   7   8   9   12   18   25   41   50   61
14 AWG / 2.5 mm <sup>2</sup>	3   4   5   7   9   12   18   25
12 AWG / 4.0 mm <sup>2</sup>	4   5   7
10 AWG / 6.0 mm <sup>2</sup>	4   5   7
8 AWG / 10.0 mm <sup>2</sup>	4   5
6 AWG / 16.0 mm <sup>2</sup>	3   4
4 AWG / 21.0 mm <sup>2</sup>	3   4
2 AWG / 33.7 mm <sup>2</sup>	3   4
1 AWG / 42.3 mm <sup>2</sup>	4
1/0 AWG / 52.9 mm <sup>2</sup>	4
2/0 AWG / 67.3 mm <sup>2</sup>	4
3/0 AWG / 84.8 mm <sup>2</sup>	4
4/0 AWG / 106.7 mm <sup>2</sup>	4
250 KCMIL / 128.4 mm <sup>2</sup>	4
350 KCMIL / 181.9 mm <sup>2</sup>	4
500 KCMIL / 257.6 mm <sup>2</sup>	4

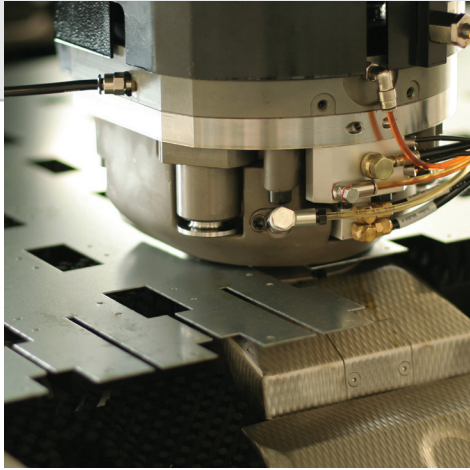
Part Number creation: 22XXYY; XX=AWG size, YY=conductor count.  
Add 0 at the end for shielded version.

\* 18-6 AWG comply with both UL & VDE Class 5 requirements. Improving electrical performance and safety in a global market.



# APPLICATION ADVANTAGES

## ÖLFLEX® TRAY II / TRAY II CY CABLES: HIGH PERFORMANCE SOLUTIONS FOR DEMANDING ENVIRONMENTS



### MACHINE & TOOL

#### Enhanced Oil Performance

ÖLFLEX® Tray cables offer unrivaled reliability, flexibility and durability for machine tool applications.

- Higher abrasion resistance
- Meets UL Oil Res I & II and AWM 21098
- Superior flexibility
- UL MTW meeting NFPA 79 2007



### INDUSTRIAL MACHINERY

#### Versatile For All Environments

ÖLFLEX® Tray cables provide a level of high performance and flexibility for complex manufacturing environments.

- UL -25°C cold impact
- Improved oil and chemical resistance
- UL/CSA tray rated
- ÖLFLEX® Tray II a cost-effective performer

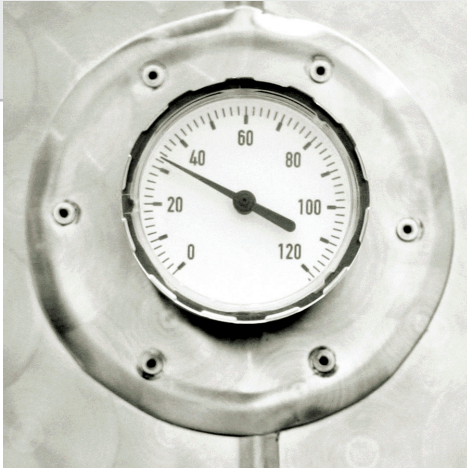


### FOOD & BEVERAGE

#### Known & Trusted Industry Performer

ÖLFLEX® Tray cables are designed to exceed expectations in the food & beverage industry.

- UL/CSA tray rated
- Robust jacket for washdown environments
- High flexibility in refrigeration
- Round and flexible for easy tray loading and stacking

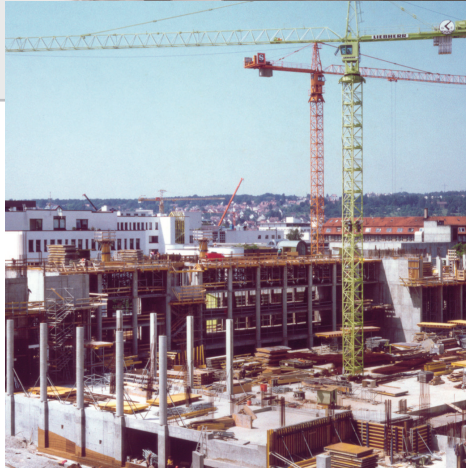


## COLD ENVIRONMENT

### Doesn't Lose It's Cool In The Cold

ÖLFLEX® Tray cables are the best in class in the cold to deliver a high level of performance and flexibility.

- Flexible down to -25°C
- Excellent in extreme environments
- UL -40°C cold bend
- Cost effective solution vs. rubber



## PLANT EXPANSIONS

### Lower Installation Costs

Due to their extreme flexibility and easier routing, ÖLFLEX® Tray cables are optimal for new plant development and plant expansions.

- Pull more cables at a time.
- Less drag when routing through the tray
- UL TC-ER: no conduit required
- All of this leads to labor savings

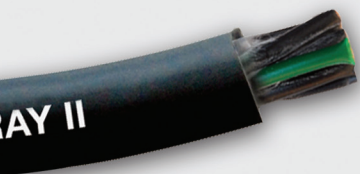


## WIND ENERGY

### Reliability For All Climates

ÖLFLEX® Tray cables are expertly designed to withstand humidity, vibration, extreme temperatures, and exposure to oil.

- Withstand gear box oil
- Torsion tested for the wind turbine market
- UL WTTC, 1000 V, FT 4 for the tower
- Durable all season performance




Get the free mobile app at <http://gettag.mobi>

# ÖLFLEX<sup>®</sup>

Power And Control Cables

# SKINTOP<sup>®</sup>

Cable Glands

# SILVYN<sup>®</sup>

Conduit

# ETHERLINE<sup>®</sup>

Industrial Ethernet

# EPIC<sup>®</sup>

Connectors

# UNITRONIC<sup>®</sup>

Data Cables

# FLEXIMARK<sup>®</sup>

Marking Systems

# HITRONIC<sup>®</sup>

Fiber Optic Cables



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