



OEM SOLUTIONS



LAPP TANNERHILL

Wire & Cable Solutions

800.633.6339 www.lapptannehill.com



LAPP TANNEHILL

Wire & Cable Solutions

Lapp Tannehill Inc, (a Lapp Group Company) is a national full line Wire & Cable distribution organization. We have been in business for 50+ years as your wire and cable specialists.

As your full service distribution provider, we pride ourselves on being your one stop shop for wire and cable solutions. Our product breath includes complementary products from 200+ leading wire, cable, tubing, sleeving and wire management manufacturers. We lead the industry with a 99% service rate, competitive pricing and an extremely knowledgeable sales staff that is responsive to your needs. We provide a complete product offering that will meet your needs.

Lapp Tannehill also offers a number of value added services that include:

- High-speed re-spoolers (to provide the exact wire type, size and lengths)
- In-house spiral striping, solid coloring
- Cable marking, printing and numbering
- Wire twisting to any specification
- Precise cutting and/or marking of wire and tubing
- UL and CSA approved for re-spooling, re-packaging, striping, dyeing and cutting
- Electronic testing equipment

THE LAPP GROUP WORLDWIDE:

Founded in 1957 by Oskar Lapp, the Lapp Group mission is to "Create the Best Value for Our Customers."

The Lapp Group is based in Stuttgart, Germany and has 18 production sites, 100+ international office locations, employing more than 3,200 people.



Lapp Tannehill Serves the Following OEM Markets:

- Aerospace & Defense
- Agricultural Equipment
- Alarm & Security
- Appliance
- Automotive
- Broadcast & Communications
- Commercial Trucks
- Elevators, Conveyors & Cranes
Entertainment & Stage Lighting
- Food Processing Equipment
- Heating & Refrigeration Equipment
Industrial
- Automation
- Marine & Shipboard
- Measuring & Control Devices
- Medical Equipment
- Mining & Forestry
- Off-Road Equipment
- Oil & Gas
- Packaging & Bottling Equipment
- Paper Processing & Printing Machinery
- Portable Power Equipment
- Rail & Transit
- Recreational Vehicles
- Switchgear & Control Panels
- Wind & Solar Energy



ÖLFLEX®



ETHERLINE®



EPIC®



SILVYN®



UNITRONIC®



HITRONIC®



SKINTOP® Cable Glands



FLEXIMARK®

ÖLFLEX™CONNECT:

Your evolution of cable assembly solutions

Cable solutions from A to Z:

The days in which the manufacturing and service sectors could be clearly separated are well and truly over. A change is taking place in people's minds, in factories and in businesses like the Lapp Group. Customers are searching for solutions rather than components, and manufacturers are now developing and providing complex systems. Our ÖLFLEX® CONNECT range shows what can happen when components and solutions are seen as a single entity rather than treated separately.

Lapp Tannehill provides different cables for CNC machinery, switch boxes, control cabinets, and electrical assemblies. Our product range encompasses single- and multi-conductor cables and EMC-shielded cables, all of which can be fitted with a wide selection of crimp contacts, connectors, and housings for your specific application.

The Lapp team is committed to provide the entire solution for you. Developing a concept, application engineering, and executing in production can be a very complex task for your team. Our engineering expertise and assembly processes will enable you to apply your resources for other needs. The Lapp team will review interconnection needs, recommend connectivity solutions, provide concept drawings, quotations, final engineering drawings, and quality finished products. We will provide you assistance in the design and cost effective assembly of servo and motor drive cables, wire harnesses, junction and control panels, control panel remote access ports, populated cable track assemblies, switch and emergency boxes, and non-standard industrial connector and harness products for special applications.

THE LAPP SOLUTION CONSISTS OF:

ÖLFLEX® CONNECT CABLES

A comprehensive inventory of cables, connectors and accessories enable us to respond quickly and flexibly to your requirements.

ÖLFLEX® CONNECT SERVO

As a leading manufacturer of assembled servo cable systems, Lapp offers all of the major industry standards for use in a variety of areas in industrial machinery and drive systems.

ÖLFLEX® CONNECT CHAIN

Put your trust in reliable and highly efficient power chain solutions from a single supplier. We will assist you on the path to the perfect solutions-starting with technical evaluation, initial CAD design of the drag chain system (including cable layout), project management, completion of chain system design, installation service.

BENEFITS TO YOU:

No capital expenditure

No need to invest in your own production facilities

Less operating expenditure

Benefit from a simplified supplier base

Reduced inventory

No need to stock connectors, cables, conduit & hoses

Highest scalability

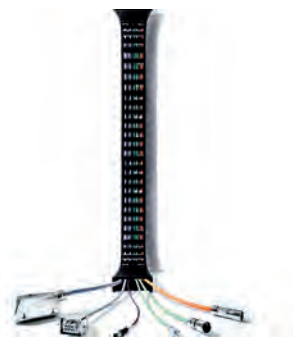
You are able to respond to increases in demand

Technical expertise

Utilize Lapp's expert technicians and knowledge

Uncompromising brand quality

High quality products for maximum reliability and safety



Commercial/UL Hook Up & Lead Wire

UL Hook Up & Lead Wire is used for various functions such as appliance wiring, motors, switchgears, heating and cooling, along with transformers. Our broad range of high performance hook-up wire is available in a variety of insulations to meet your needs for temperature, ability to withstand wear and abrasion, electrical performance, or resistance to oil, solvents, and chemicals. Whether you are using hook-up and lead wire in a household product, or in a sophisticated electronic appliance, Lapp Tannehill's products perform at the highest level.

PVC UL & CSA Styles

UL101015/1230
UL1028/1283/1284/MTW/TEW
UL1007/1569
UL 1061

High Temperature

UL5107/5359
UL5257/5180
UL5196
UL5256
UL3214
SF-2, SEW-2
SFF-2, SEWF-2,
SRML,
FEP
PFA
PFA
Tefzel®
TGGT
MG

Teflon Lead Wire

UL1180
UL1199/1198
UL1213
UL 1330/1332

Cross Linked

UL1429/1534
UL1430/3317
UL3195/3196/3173
UL3199
UL3265/3266
UL3271/3289
UL1431
UL3321/3505

Harmonized PVC
Hypalon Wire
SIS wire
Ignition Wire
Test Lead Wire

Bus Bar

Tinned Copper
Bare Copper

Wire Wrap

UL1422/1423
UL1508/1516
M81822

Silicone Wire

UL3212/3213/3214
UL3071/3074/3075
UL3125/3231

High Voltage

UL3239

EcoWire®

EcoWire® Plus



Automotive Wire

Automotive wire is used in wiring harness assemblies in passenger cars, light & heavy trucks, bus, agricultural equipment, recreational vehicles, construction equipment, rail equipment, and off-road vehicles.

Primary Wire

- GXL/SXL/TXL
- GPT/TWP
- Can-Bus
- Bare Copper
- GPTM

Battery Cable

- SGR
- SGT
- SGX

Welding Cable

- Booster Cable
- High Voltage Cable
- Battery Cable

Features of Automotive Wire:

- Thin and ultra-thin wall design construction
- Excellent heat resistant insulation
- Flexible conductor stranding
- High flex life
- High abrasion resistance insulation
- Lead and heavy metal free insulation
- Multi-conductor cable construction
- Dual wall design construction
- Small bundle sizes
- Lightweight construction
- High temperature insulation



Aerospace & Defense Wire

Mil Spec wire can be used in many different application such as Military Ground Vehicles, Satellites, Jet Engines, Avionics and Weapon Systems. Mil Spec wire is constructed from numerous different material options which include conductor, shield, insulation and jacket.

Mil-W-16878 (M16878) / NEMA HP3, HP4, HP5, HP6, HP8
M16878 Type E Shielded Cables (STJ and SE)
MIL-W-22759 (M22759) /SAE AS22759
MIL-W-76
MIL-C-17 Coaxial Cable
MIL-C-915 Shipboard Cable
MIL-DTL-3432 CO Cables
MIL-W-5086 Aircraft Cable
MIL-W-8777
Buss Bar QQ-W-343 / AA59551 Wire
QQ-B-575 / AA59569 - Round & Flat Braided Copper Wire
(Tinned, Bare, Silver, Nickel)

MIL-C-13486
MIL-C-13777
MIL-C-24640 Shipboard Cable
MIL-C-24643 Low Smoke Shipboard Cable
MIL-W-25038
MIL-DTL-27072 (M27072)
MIL-C-27500 Cables / NEMA WC 27500 Cables
MIL-DTL-49055 Ribbon Cable
MIL-C-55021 /NEMA WC 55021
MIL-W-81044 /SAE AS81044
MIL-W-81381/ MIL-DTL-81381
MIL-W-81822 Wire Wrap



Portable Cordage

Power cable and portable cord are used for power distribution in a wide variety of applications. Portable cord is designed for temporary or portable power supply, while power cables are for long-term or permanent installation.

Type SJ, SJO, SJOW, SJOOW Portable Cord (300 V)
SOW Cable and SO Cord
SOOW Cable, SOOW Cord (600 V)
SEOW Cable and STOOW Cable
Sprinkler Wire
SJT Cable and SVT Cable
SPT Cable (SPT-1, SPT-2 and SPT-3 Lamp Cord)
STO Cable and STOW Cable
H07RN-F Cable - Harmonized Heavy Duty Neoprene Cordage
DLO Cable
Welding Cable, Welding Wire
Type W Portable Power Cable (2000 V)
Type G-GC Portable Cord and Type G Portable Cord
Stage Lighting Cable
Pendant Cable / Reeling Cable
Low Voltage Landscape Lighting Cable
Bus Drop Cable
Flat Festoon Cable (PVC)



Communications Cable

A complete line of communication cables that come in many different configurations: multi-paired and unpaired, multi-conductor shielded and unshielded. These cables are UL and CSA listed, and used primarily for the internal or external interconnection of electronic equipment and computers for reliable signal integrity and electrical performance.

Applications include: data transmission, CAD/CAM, telemetering, data displays, computer print-out, credit verification systems and many others.

300V & 600V Cables

Unshielded & Shielded Cables
Types of shields : Foil, Braid, Foil/Braid,
Individual, Overall,
Individually Foil Shield
Multi-Pair, Multi-Conductor

Communication & Control Cable

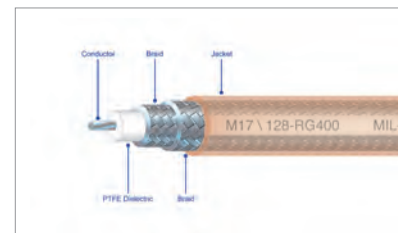
Computer Cable
Control & Power Cables
Instrumentation Cables
Audio, Control, Broadcast
Security & Alarm Cables
Fire Alarm Cables
Audio, Control & Computer Interconnect

Industrial Cables

Tray Cable
Power Cable
Heat Trace
Industrial Ethernet
Welding Cable
DLO
Stage Lighting Cable
Entertainment Industry Cables

Coaxial Cables

Video Cable
RG-Cable
RGB Cables



Copper Building Wire

Building wire is the most frequently specified wiring solution today for commercial and residential construction projects. For commercial projects, THHN wire is widely specified for power distribution. THHN can handle most electrical wiring applications, from service entrance and feeders to branch circuits.

For harsh industrial environments, Cross-Linked Polyethylene (XLPE) insulation is ideally suited wiring solution. Type XHHW-2 is well suited for building wire power distribution, and can be direct buried in accordance with NEC® requirements. Both products offer excellent electrical, thermal and physical properties. Type TFFN wire can be utilized in a wide variety of applications, including fixture wire, machine tool wire and appliance wiring material.

- THHN/THWN/TWN75/T90
- TFFN/TFN/TEWN
- RHH/RHW/USE
- XHHW-2
- RW90
- Bare Copper
- Welding Cable
- Type W
- Type G & type G-GC
- Entertainment & Stage Lighting Cable
- DLO
- SPT-1, SPT-2, SPT-3
- Trailer Cables



Wire Management

Strain Reliefs

- Cable Glands
- Metallic
- Non-Metallic
- EMC

Heat Shrink Tubing

- Polyolefin
- PVC
- Cold Shrink
- Solder Sleeves

Tapes

- 3M™
- Vinyl
- Insulating and splicing
- Sealing and insulating
- Corrosion protection
- EMI shielding

Conduit

- Polyamide
- Metal & Non-Metallic
- PVC
- Accessories
- Fittings

Sleeving

- Expandable
- Acrylic
- Fiberglass
- Heat Treated
- Silicone

Connectors & Terminals

- Barrel Style
- Heat Shrink
- Nylon
- Non-Insulated
- Vinyl

Braid-Tubular, Flat & Multi-Layer

- Tinned Copper
- Bare Copper
- Silver
- Nickel
- Stainless Steel

Heat Shrinkable Boots

- Breakout Boot
- End Caps
- Molded Shapes

Wire Duct

- Solid
- Slotted
- High-Density
- DIN Style

Convolutd Tubing

- Slit & Non-Slit Loom
- Fittings
- Accessories

Lugs

- Copper Compression
- Mechanical
- Aluminum
- Split Bolt
- Tooling

Cable Ties & Accessories

- Standard
- Intermediate
- Miniature
- Light Heavy Duty
- Heavy Duty

Identification Products

- Labels
- Printers
- Software
- Markers

Accessories & Tools

- Heat Guns
- Nozzles
- Reducers
- Stands
- Crimp Tools

Tubing

- Spiral Wrap
- High Temperature
- Teflon
- PEEK™

Plugs, Cordsets

- North American
- International
- Hospital Grade
- NEMA



Custom Cables

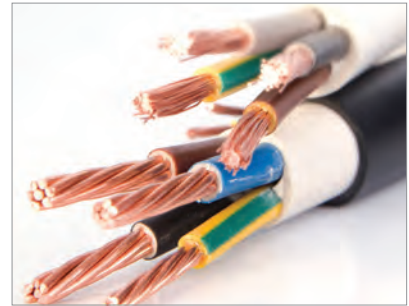
Lapp Tannehill knows that sometimes you require materials that are specially tailored to meet the needs of your application, so we offer both traditional and customized products and services that will allow you to get the job done right. With over 50 years of experience, our experienced sales force can provide you with a cable solution that is as unique as your application. When you work with us, we will assist you from the beginning of your design, through any modifications that you may need, to the end result, a cable specific to your needs.

Listed are just some applications for custom cables: call us with your special requirements!

Audio Cables
Extreme Low Temperature Cables
Non-Power Limited Cables
Severe Abrasion Resistant Cables
Broadcast and Studio Cables
Fungus Resistant Cables
Pendant and Reel Cables
Sewer Cable
Breather Tubes
Gasoline and Oil Resistant
Power Limited Cables
Shipboard Cable - IEEE - 45
Bus Drop Cables
Guitar/Instrument Cables
Power and Multi-Channel Snake Cables
Simultaneous Transmission Cables

Chemical and Solvent Resistant Cables
IMSA Cables
105°C Polyurethane
Speaker Cables
Control Cables (2010-600V - 3015-1000V)
Instrumentation (TC 600V - PLTC 300V)
Quad-Microphone Cable
Submersible Pump Cables - PVC and TPR
Deep Well Submersible Cables
Irrigation Cables
Riser Cables
Water Recovery System Cables
Direct Burial Cables
Load Cell Cables
Robotic Control and Sensing Cables
Low Smoke Zero Halogen Cables

Weather and Sunlight Resistant Cables
Well-Drilling Instrumentation Cables
Electronic - Interconnect Cables
Marine Data Cables
Rodent Resistant Cables
Wind Power Cable

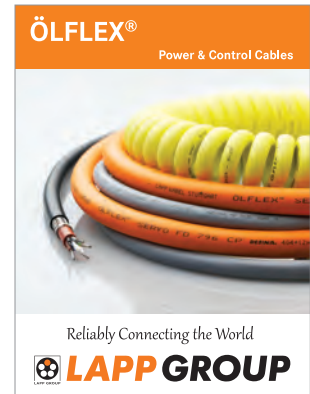


ÖLFLEX® Cables

A wide range of cables ideal for machinery applications. Available in various jacket compounds and insulations. ÖLFLEX® is a leading supplier for wire, cables and cable accessories that are used for machine and plant building; automotive industry; measurement and control technology; along with electrical and installation.

Oil Resistant Flexible Cable
Flexible Tray Cable
Continuous Flex Control Cable
Continuous Flex Data Cable
Torosional Robotic Cable
High Temperature Control Cable
Flexible Cable for Drives & Motors

Flexible Signal & Control Cable
Fieldbus and Industrial Ethernet Cable
Multi Standard Hookup wire &
European Cordage
Pendant Reel and Lift Cable
TC-ER Rated Cables



The Lapp Brands:

