

Quality, Reliability and Performance

For 30 years our Lake Cable Classic line has been a trusted industry go-to for a range of applications, from Control and Instrumentation to point-of-sale equipment. *As is often said, nothing beats a Classic.*

Lake Cable Classic products are manufactured in a wide variety of gauge (AWG) sizes, insulation materials, shielding configurations, and jacketing materials and meet or exceed UL standards, including Plenum and High-Temperature cables. That means you get best-in-class performance and reliability in many different systems.



Lake Cable's Classic line truly delivers:

- User-friendly put-up options
- Sturdy designs that meet or exceeds UL standards
- Proven performance
- Broad range of AWG sizes, shielding options, conductor and pair counts
- Polyolefin insulations provide lower capacitance performance when compared to cables with PVC insulations
- TFE and FEP insulation and jacket constructions offer higher temperature ratings

Choose the right product for your application.

The wide array of industry standards and approvals that the Lake Cable Classic line adhere to make the selection criteria suitable for a variety of applications:

RS-232, RS-422/423 & RS-485 - Computer & CAD/CAM

Low speed data communication from microprocessor to device utilizing simple commands (On/Off, Stop/Start)

Control & Instrumentation

Analog Signals for machine control (sensors, valves, switches)

Fire Alarm/Security

Analog Signals for machine control (sensors, valves, switches)

Power Supply

Low voltage power and control of devices

Audio

Analog signals for system and speaker interconnection

Computer/P.O.S.

Low speed data for point-of-sale equipment

Lake Cable Classic products are available from stock from Lake Cable distributors. If a product doesn't fit your exact application, Lake Cable can engineer to your exacting specifications. What does **Better**, **Smarter** and **Faster** mean for you?

- Low Minimum Order Quantities
- Quick Quote Turnaround Times
- Shortest Delivery Times in the Industry

Contact your sales representative for a complete Lake Cable Classic stock list. We can also have one of our expert engineers design the perfect cable for your specific application.

Visit lakecable.com or call:

888-518-8086

Proudly Made in the USA



BETTER. SMARTER. FASTER.®

Our Process

During the critical design phase: Seek comprehensive design input, identify and address critical performance attributes:

- Strip Force
- Insulation Shrinkage
- Roundness
- Mold Compatibility
- Color Matching
- Noise Reduction
- Shielding Effect
- Mechanical Protections
- Custom Materials for any environment

Through product development: Focus on design for manufacturing, compound compatible with potting and overmolding processes, meets electrical performance goals (capacitance, ampacity, noise suppression etc.) while staying cost effective.

Post sales support: Meet delivery expectations and resolve performance shortcomings resulting from product use in unique applications, while being easy to reach and communicate with.

MATERIALS AND CONSTRUCTIONS

Make Lake Cable your source for custom cable solutions. Our expert staff of applications, materials and process engineers will assist you in developing cables that ideally fits your unique application.

Wire Drawing and Fabrication

- Gauges 28 through 4/0
- Concentric, Compact, Compressed, Rope Lay, Bunched
- Copper, Copper Alloys
- Bare and Tinned Copper

Compounds

- PVC and Nylon
- Foam PE and FEP
- XLPE, PE and PP
- FEP and ETFE
- CPE, TPE and TPR
- Polyolefin
- Urethanes
- Halar, PVDF
- Low Smoke Zero Halogen

Armoring

- Helical Bronze and Steel Tape
- Stainless Steel/Bronze/AL Braid
- MC - Interlocked AL/Steel Armor

Extrusion

- Primary Insulation
- Nylon over PVC
- Custom Profiles
- Flat Constructions
- Tandem and Parallel Jacketing
- Co-Extruded/Spiral Striping Insulation

Cabling Processes

- Planetary Cabling
- Cabling
- Pair Twining

Shielding

- AL and CU Laminate Tape
- Flexible Serve/Braid Shields
- Copper Tape - Helical/Corrugated
- Semi-Conductive Compounds

CONSTRUCTIONS/ENGINEERING OPTIONS

Constructions

- Continuous Flex (Robotics) - materials and constructions that supports millions of flex cycles
- Industrial Sensors - mechanical and fluids resistant (chemical, oils, abrasion, load bearing)
- Shielding - Hi MU metals for electromagnetic noise and high coverage CU for EMI/RFI
- Retractable Coil Cords - excellent memory, flex fatigue resistant conductors
- Portable Cordage - MSHA approved/PVC and flexible elastomers/multiple colors
- Armors for harsh environments including: petrochemical, construction, mining and marine
- Instrument Jumpers and Test Leads Cable - when performance and cosmetics matter equally
- Hybrid Composites - combining fiber optics, copper and ethernet

Engineering Options

- Mold Compatibility - compounds and constructions suited for injection molding and potting
- Submersible/Sustained Immersion - designed to support compression glands and potting
- Strippable - construction suited for automated cut and stripping machinery
- Wet Environment - suited for IEC 60529 IP - Ingress Protection Rating (i.e.: IP-67)
- Welding Tolerant - short duration flash heat resistant compounds (TPV)
- Temperature Extremes - crosslinked, fluoropolymers, urethane and olefin alloy compounds
- Explosive Atmosphere - bronze zero spark shields; constructions support Class 1 Div 2
- All-Weather Suitability - UV exposure, wind-driven abrasion, ice, water, etc.
- Deployable - low friction coefficient jackets, low drag, scuff and tear resistant
- Tensile Load and Pull Strength - high tensile strength conductors and reinforced constructions

