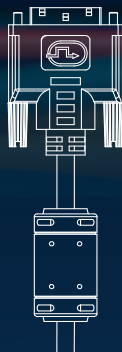
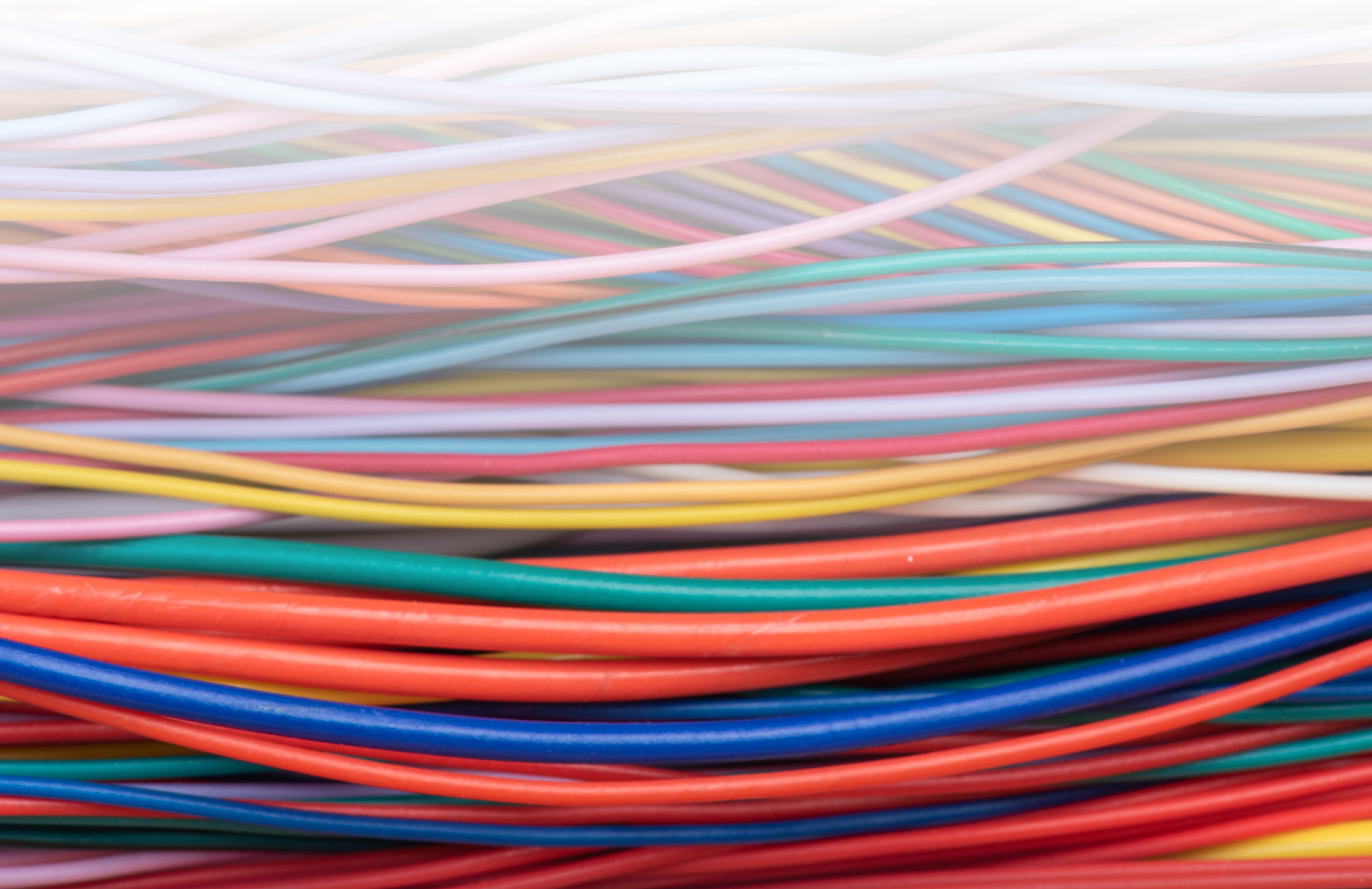


# GLOBAL CONNECTIVITY SOLUTIONS

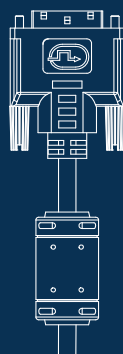
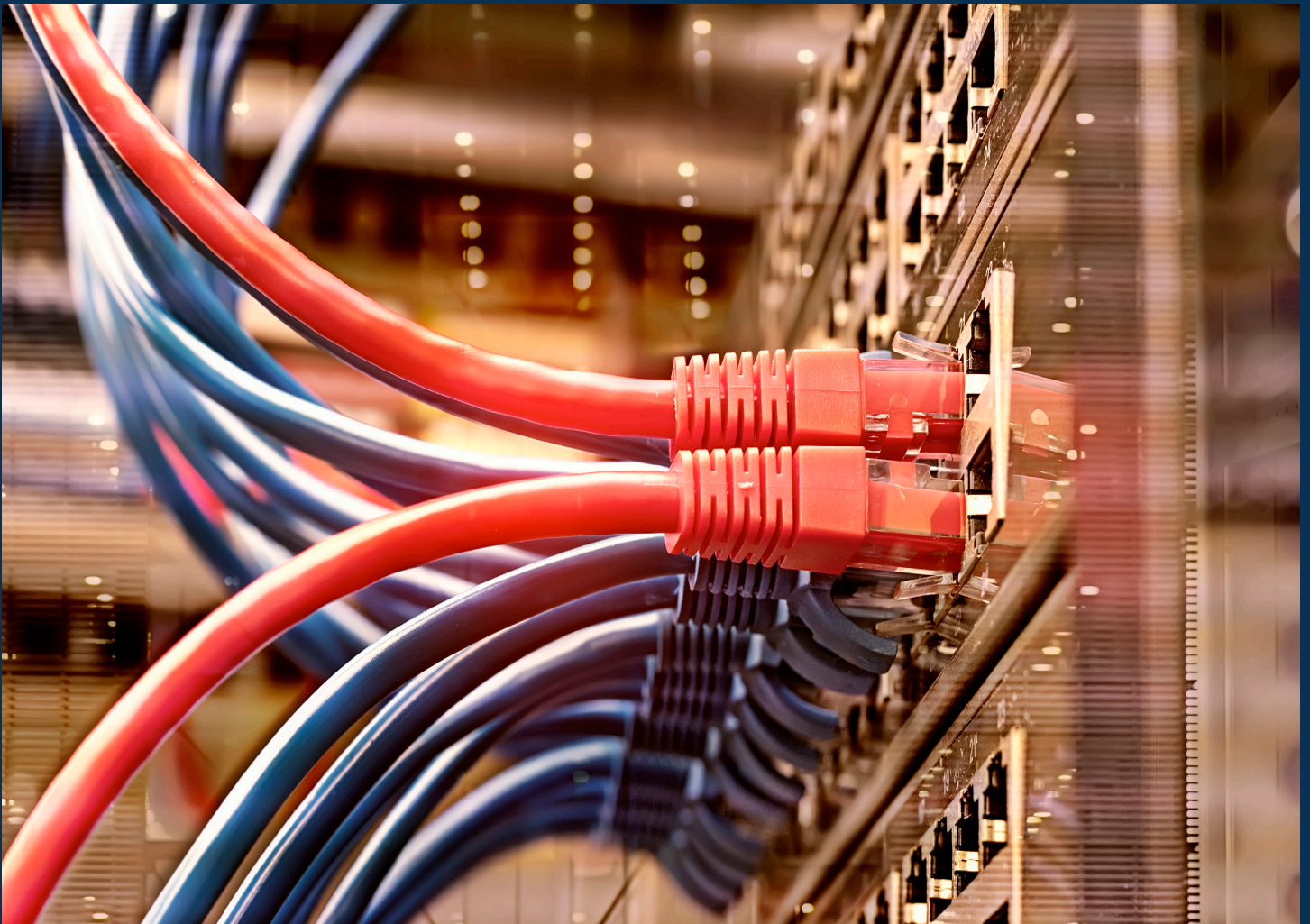
## 2021 WIRED PRODUCTS



PRODUCTS IN-STOCK AND AVAILABLE FOR SAME-DAY SHIPPING

# WIRED PRODUCT SOLUTIONS FROM L-COM

L-com has a diverse offering of standard, unique and custom products across the spectrum of connectors, cable assemblies, adapters and contact insertion/removal tools; in-stock and available for same-day shipping.





# A GLOBAL LEADER IN CONNECTIVITY SOLUTIONS

L-com is a value-added supplier of quality connectivity solutions to global markets. We provide highly personalized customer service and technical support complemented by a vast product inventory for off-the-shelf availability and a commitment to same-day shipments.

L-com custom solutions are also available within our wired and wireless connectivity product platforms offering short lead times to meet the needs of each customer. Our custom capabilities include fiber optic, coaxial and Ethernet cable assemblies as well as adapters, antennas, weatherproof NEMA enclosures and more.

L-com makes it easy and fast to source the products you need through the L-com website or call us directly. Order today and meet your project needs by tomorrow with a broad array of in-stock products.

- Vast inventory of over 30,000 in-stock catalog products
- Expert technical and application support
- Modifiable, custom-designed or prototype components
- ISO 9001:2015, and GSA Registered
- Award-winning customer service
- Quick response to quotes, designs, prototypes and custom order requests
- Tutorials, product drawings, technical information and more



**SAME-DAY  
SHIPPING**



**CUSTOM  
CAPABILITIES**




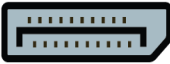

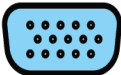
**GLOBAL  
CONNECTIVITY**

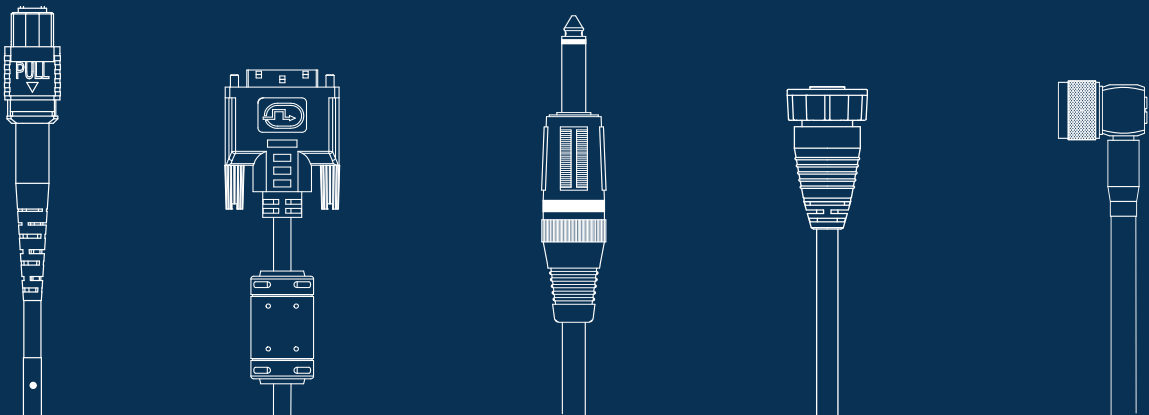


# AUDIO/VIDEO

L-com offers one of the most extensive off the shelf selections of audio/video products in the industry. We stock thousands of HDMI cables, DVI cables, VGA cables, DisplayPort cables, RCA cables, 3.5mm cables, EVC cables, as well as active A/V equipment such as extenders, splitters, and switchers for HDMI, DVI, DisplayPort, and VGA applications.

- A variety of options for length, resolution, signal power, jacket material, durability, and space limitations
- Extensive selection of multiple interfaces covering a wide range of technology from classic to cutting edge
- In stock selections to adapt or convert any number of interfaces and signals (Ex. DisplayPort to HDMI adapters)
- Same-day shipping on all products if ordered Monday through Friday before 6:00 PM CT
- Custom cable capabilities for any and all cable configurations

Common Audio/Video Interfaces				
	HDMI (High Definition Multimedia Interface) 	DP (DisplayPort) 	DVI (Digital Video Interface) 	SVGA (Super Video Graphics Array) 
Standards Group	HDMI Licensing, LLC. (Consortium of Consumer Electronics Manufacturers)	VESA (Video Electronics Standards Association)	DDWG (Digital Display Work Group)	VESA (Video Electronics Standards Association)
Maximum Channels	8	8	6 (Dual Link)	N/A
Maximum Resolution	HDTV720P and 1080P	1080p	QXGA (2048 x 1536)	800 x 600
Analog/Digital Combination	No	No	DVI-I (24 + 4 Pin) Yes	No
Digital/Audio	Yes	Yes	No	No





# AUDIO/VIDEO

Audio/Video	A/V Type	Genders	Form Factor	Max Resolution	Item	Connector Combination	Special Features
<a href="#">HDMI</a> 	Digital	Male, Female	Straight, Right Angle, Swivel Head	3840 x 2160	Cables, Connectors, Adapters	HDMI-HDMI, HDMI-DVI, HDMI-DisplayPort	Wide range including swivel and locking adapters, multiple lengths of cable and jacket materials including LSZH
<a href="#">Industrial HDMI</a> 	Digital	Male, Female	Straight	3840 x 2160	Cables, Adapters	HDMI-HDMI	Complete IP67 waterproof rated line of connectors and adapters as well as stainless steel and plastic armor options
<a href="#">DVI</a> 	Analog/Digital	Male, Female	Straight, Right Angle, 45 Degree Angle	1920x1080	Cables, Connectors, Adapters	DVI-DVI, DVI-HDMI, DVI-DisplayPort	Stock multiple angles and lengths of cable, specialized jacket materials such as LSZH, as well as a wide variety of adapters
<a href="#">DisplayPort</a> 	Digital	Male, Female	Straight	3840 x 2160	Cables, Adapters	DisplayPort-DisplayPort, DisplayPort-HDMI, DisplayPort-DVI	High Quality DisplayPort cables and adapters with multiple lengths and jacket materials including LSZH
<a href="#">Mini Display Port</a> 	Digital	Male, Female	Straight	3840 x 2160	Cables, Adapters	Mini DisplayPort-Mini DisplayPort, Mini DisplayPort-DisplayPort	High Quality DisplayPort cables and adapters with multiple lengths and jacket materials
<a href="#">VGA</a> 	Analog	Male, Female	Straight, 45 Degree Angle	800 x 600	Cables, Connectors, Adapters	VGA-VGA, VGA-HDMI	Multiple lengths, connector angles and materials
<a href="#">Audio Cables</a> 	Analog	Male, Female	Straight, Splitter, Right Angle	N/A	Cables, Connectors, Adapters	3.5mm-3.5mm, 3.5mm-RCA, 1/4"-1/4", 1/4"-XLR, XLR-XLR, RCA-RCA	Serves a wide range of audio needs from connectors, adapters, splitter cables and conversions in multiple interfaces
<a href="#">75 Ohm Products</a> 	Analog	Male, Female	Straight, Right Angle	RG6, RG59, RG179	Cables, Connectors, Adapters, Bulk Cable	BNC-BNC, BNC- Type F, BNC-RCA, Type F-Type F, Type F-RCA	Wide ranging catalog of specialized products including T-adapters, plenum cables and right angle cable connectors



# ETHERNET

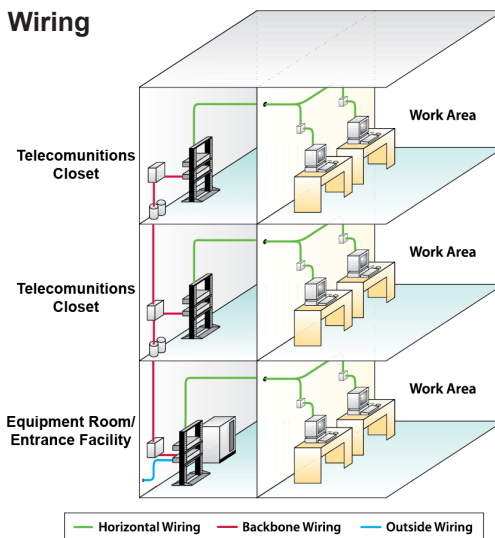
L-com's extensive catalog of Ethernet products covers every Ethernet application to serve a wide variety of customers. From basic Ethernet cables to high-stress industrial applications, our selection has it all. We offer cables, connectors, adapters, switches and converters for every situation that users may encounter. L-com is proud to be a one-stop-shop for all your networking needs!

- Multiple length options to cover a wide array of applications
- Numerous jacket variations including PUR, LSZH, FR-TPE and high flex
- Extensive line of high-stress waterproof products capable of holding up in the toughest conditions
- All common network speeds up to Cat8
- Same-day shipping on all products if ordered Monday through Friday before 6:00 PM CT
- Custom cable capabilities for any and all cable configurations

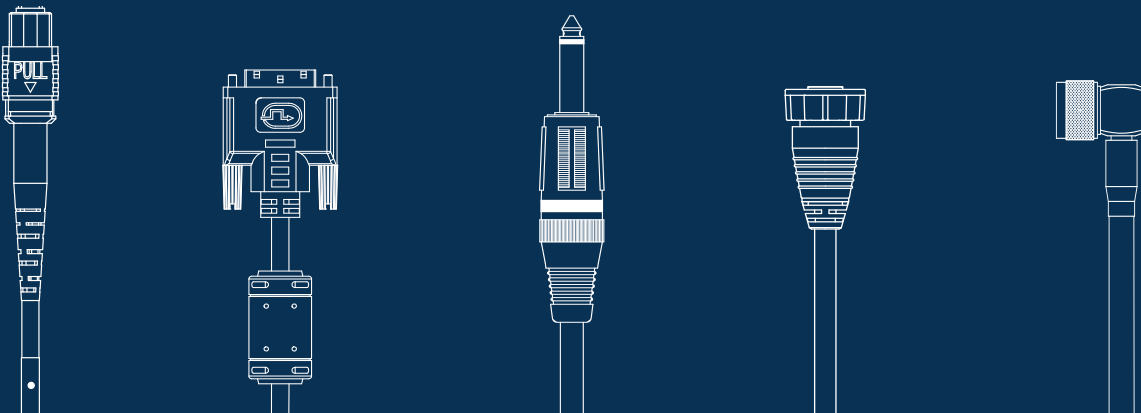
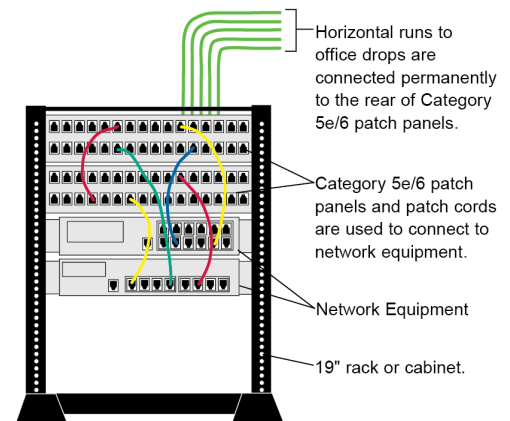
## Typical LAN Premise Wiring

### Wiring Notes:

1. Category 5e/6 unshielded twisted pair is the norm. Use 4 pair solid conductor inside the walls, 4 pair stranded for patch cords. Plenum rated cabling may be necessary depending upon fire codes in your area.
2. Maximum distance for a horizontal run is 90m (solid conductor) plus an additional 10m (stranded conductor) for patching.
3. Fiber is the common choice for backbone wiring. It is also recommended for horizontal runs over 100m.



## Typical Telecommunications Closet





# ETHERNET

Ethernet	Type/Speed	Genders	Form Factor	Shielding	Connectors	Materials/Jackets	Special Features
<a href="#">Standard Ethernet Cables</a> 	Cat3, Cat5e, Cat6, Cat6a, Cat7	Male-Male, Male-Female	Straight, Right, Left, Up, Down, 45 degree	Double Shielded, Shielded, Non-shielded	RJ11, RJ12, RJ45	PVC, LSZH	Wide range of speeds and jackets, largest selection of form factors on the web and price ranges including economy to premium lines
<a href="#">Ruggedized Ethernet Cables</a> 	Cat5e, Cat6, Cat6a, Cat7	Male- Male, Male-Female, Female-Female	Straight	Double Shielded, Shielded, Non-shielded	RJ45	PVC, PUR, FR-TPE, LSZH, High Flex, Armored, Outdoor, Industrial	High-end Cables for the most brutal conditions including IP68 connectors, ZnNi plated finishes, double shielding and chemical resistant jackets
<a href="#">Standard Ethernet Connectors</a> 	Cat3, Cat5e, Cat6, Cat6a	Male, Female	Straight, Right Angle	Shielded, Non-shielded	RJ11, RJ12, RJ45	Polycarbonate, Phosphor Bronze, Gold	Connectors for all Ethernet applications including all common wire gauges, shielded and non shielded and various interfaces including RJ11, RJ12 and RJ45. Buy a whole bag of connectors or just 1 or 2
<a href="#">Ruggedized Ethernet Connectors</a> 	Cat5e, Cat6, Cat6a, Cat8	Male, Female	Straight	Shielded, Non-shielded	RJ45	Aluminum, Stainless Steel, Zinc Nickel	Our ruggedized Ethernet connectors are built to defend against water, dust, oil and chemicals. Features include Zinc Nickel plating, IP68 and various speed options
<a href="#">Standard Ethernet Adapters</a> 	Cat3, Cat5e, Cat6, Cat6a, Cat7, Cat8	Female - Female	Straight, Right Angle	Shielded, Non-shielded	RJ11, RJ12, RJ45	ABS Plastic, Steel	We offer a complete line of ethernet adapters including inline couplers, keystone couplers and panel mount couplers. Coupler angles include straight through 180 degrees and 90 degree angles as well as shielded and non-shielded options
<a href="#">Ruggedized Ethernet Adapters</a> 	Cat5e, Cat6, Cat6a	Female - Female	Straight	Shielded, Non-shielded	RJ45	Plastic, Nickel	L-com offers a strong selection of category rated IP67 couplers that are perfect for providing dust and water protection in high stress environments
<a href="#">M12 Cables</a> 	A, D and X Code	Male - Male, Male - Female, Female - Female	Straight, Right Angle	Shielded, Non-shielded	4, 5, 8 position	PVC, PUR, FR-TPE, Stainless Steel Armored	Our selection of M12 cables is the most all encompassing variety in the ready-to-serve market. We stock multiple ranges of cables from economy sensor applications to high stress harsh environment 10gig Ethernet uses
<a href="#">M12 Connectors</a> 	A, D and X Code	Male, Female	Straight	Shielded	4, 8 position	Nickel	We offer A, D and X code connectors with 4 and 8 positions. These connectors help users build their own cable assemblies for any purpose they wish
<a href="#">M12 &amp; M8 Adapters</a> 	A, D Code	Male - Male, Male - Female	Straight	Shielded	4, 5, 8 position	Nickel	M12 and M8 adapters including interface changes and T couplers
<a href="#">Bulk Cable</a> 	Cat3, Cat5e, Cat6, Cat6a	N/A	N/A	Double Shielded, Shielded, Non-shielded	RJ11, RJ12, RJ45, M12	PVC, Plenum, LSZH, PUR, PE, TPE, High Flex, Outdoor, Industrial	L-com offers a complete line of ethernet bulk cabling from Cat3 to Cat6a, twisted pair and straight cable. Use these various cables for a wide variety of installs or to build any cable assembly from economical router cables to weather and oil resistant industrial assemblies
<a href="#">PoE Injectors</a> 	Cat5, Cat5e, Cat6, Cat6a	Female - Female	N/A	Shielded, Non-shielded	RJ45	Plastic, Metal	We offer a wide range of injectors to add power to ethernet lines including passive and active for the IEEE 802.3af and at POE standard
<a href="#">Ethernet Switches</a> 	Cat5e, Cat6	Female - Female	N/A	Shielded, Non-shielded	RJ45	Plastic, Metal	L-com offers ethernet switches to cover all types of applications from economy friendly desktop switches to heavy-duty industrial POE injection
<a href="#">Ethernet Extenders</a> 	Cat5e, Cat6	Female - Female	N/A	Shielded, Non-shielded	RJ45	Plastic, Metal	L-com offers multiple ethernet extenders including POE/POE+ capabilities

# USB

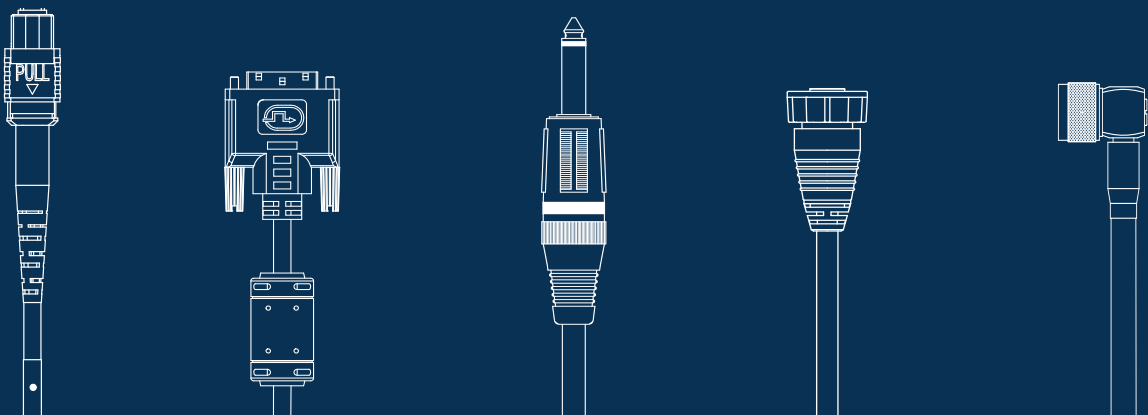
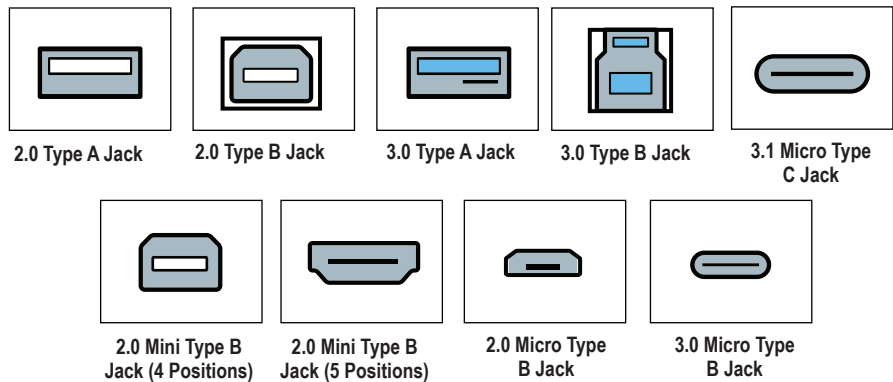
Our USB offering at L-com is one of the most extensive on the market today! From cable assemblies to adapters, we offer a product for virtually every USB need, including the most complete line of angled cable assemblies, various jacket materials from PVC to high flex TPE and even crush-resistant stainless steel, as well as a complete line of IP67 waterproof cables, connectors and adapters. Our complete line of USB cables covers specifications of USB 2.0, 3.0 and 3.1 Gen2.

- A variety of options for length, jacket material, durability, transfer speed and space limitations
- Large selection of multiple connector interfaces covering all devices that utilize USB protocols
- Same-day shipping on all products if ordered Monday through Friday before 6:00 PM CT
- Custom cable capabilities for all cable configurations

## USB Connectors







The USB specification requires a host system to be equipped with an A type jack. The B / mini B type jack is typically found on peripheral devices requiring detachable cables. Therefore, detachable USB cables are configured as an A to B / mini B male combination which prevents improper bus configurations and topology miswiring. USB 3.1 cables work differently. Both sides utilize the type C connector, the cable will work regardless of which way it is plugged in.

For a complete listing of USB Connectors, see the Connector Chart online at [L-com.com/ConnectorChart](http://L-com.com/ConnectorChart)





# USB

USB	Specification	Genders	Max Speed	Form Factor	Connectors	Materials/Jackets	Special Features
<a href="#">Standard USB Cables</a> 	USB 2.0, USB 3.0, USB 3.1 Gen 2	Male - Male, Male - Female	10 Gbps	Straight, Right, Left, Up, Down, 45 degree	A, B, C	PVC, LSZH	L-com has one of the most extensive USB cable offerings in the world with multiple jacket options, angle orientations and updated specifications
<a href="#">Ruggedized USB Cables</a> 	USB 2.0, USB 3.0	Male - Male, Male - Female, Female - Female	5 Gbps	Straight	A, B, C	PVC, LSZH, High Flex PUR, Armored, Outdoor, Industrial	Our Rugged USB cables come with features such as IP67 connectors, armored crush protection and die cast shell options
<a href="#">Standard USB Connectors</a> 	USB 2.0, USB 3.0	Male, Female	5 Gbps	Straight	A, B	Rolled Steel	We offer USB connectors for internal panel mount applications including solder and screw down terminal terminations
<a href="#">Ruggedized USB Connectors</a> 	USB 2.0	Male, Female	480 Mbps	Straight	A, B, C	Nylon, Nickel, Gold	L-com is one of the few suppliers to offer IP67 rated USB connectors for waterproof cable assemblies. Customize any length USB cable to be shielded from dirt, dust and moisture
<a href="#">Standard USB Adapters</a> 	USB 2.0, USB 3.0	Male - Male, Male - Female, Female - Female	5 Gbps	Straight, Right Angle	A, B, C	Plastic, Brass	We offer a wide variety of USB adapters including USB A, B and C interfaces and 2.0 and 3.0 specifications. Adapt any USB signal with our extensive catalog
<a href="#">Ruggedized USB Adapters</a> 	USB 2.0	Male, Female	480 Mbps	Straight	A, B	Nylon, Nickel, Bronze, Gold	L-com is one of the few suppliers to offer IP67 rated USB adapters for waterproof cable couplings. Connect cables with no fear of dirt or water interfering



# COAXIAL INTERCONNECTS

The wide range of coaxial and RF products available at L-com make us an industry leader in radio frequency and microwave markets. We have everything from cables and adapters to tools and attenuators. We offer the complete package for all coaxial interconnect needs of our customers. With hundreds of units of every product in stock, we are ready to serve our customers in the most critical times.

- Multiple length options to cover a wide array of applications
- Numerous interface options like BNC, TNC, N Series, SMA and more
- Top quality materials from Times Microwave to ensure the best product possible
- Same day shipping on all products if ordered Monday through Friday before 6:00 pm CT
- Custom cable capabilities for all cable configurations

## Common Applications for Coaxial Assemblies



### Entertainment Systems

Coaxial cable assemblies are used extensively to connect a wide variety of home and commercial entertainment products. Entertainment equipment such as monitors, TVs, cameras, recording equipment and broadcast equipment are interconnected using coaxial cables.

Common cable types:  
75W-RG6 or RG59

Common connectors:  
BNC, F and RCA



### GPS

Global Positioning Systems utilize coaxial cable for connections between receiving antennas and other related equipment.

Common cable types:  
50W-RG58, RG174,  
RG188 or RG316

Common connectors:  
TNC, N, MCX, MMCX  
and SMA



### Video Systems

The transmission of a video signal from a video camera to a display monitor is typically through coaxial cable.

Common cable types:  
75W-RG59, RG59A/U,  
RG59B/U or RG179

Common connectors:  
BNC, F and RCA



### Telecom

The infrastructure of most telecommunication systems relies heavily on coaxial cabling. Cell towers, communications equipment and base station facilities are typical examples of coaxial cable interconnection applications.

Common cable types:  
50W-RG58, RG223  
and RG213

Common connectors:  
BNC, TNC and Type N

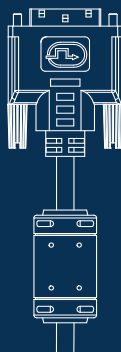


### WAN/LAN

Wide Area Networks and Local Area Networks often utilize coaxial cable for equipment interconnection. Also, reverse polarized connectors are found on many wireless antenna connections.









Common cable types:  
50W-RG174, RG58

Common connectors:  
BNC





# COAXIAL INTERCONNECTS

Coaxial Interconnects	Cable	Genders	Form Factor	Connectors	Materials/Jackets	Special Features
<a href="#">Standard Coax Cable Assemblies</a> 	RG174, RG188, RG316, RG58, RG142B, RG213, RG223	Male-Male, Male-Female, Female-Female	Straight, Right Angle, Bulkhead	BNC, FME, MCX, MMCX, N Series, QMA, SMA, TNC and many more	PVC, LSZH	L-com's coaxial cable catalog covers almost every RF application with our deep selection of cable assemblies. With numerous connector and cable configurations, both common and rare, we guarantee we have the right solution for all our customers
<a href="#">Low Loss Cable Assemblies</a> 	LMR-100, LMR-195, LMR-200, LMR-240, LMR-400, LMR-400 UF, LMR-600, LMR-900	Male-Male, Male-Female, Female-Female	Straight, Right Angle, Bulkhead	BNC, F-type, N Series, QMA, SMA, TNC, 7/16 DIN, 4.3-10	PVC, LSZH, High Flex PUR, Armored, Outdoor, Industrial	The large selection of Low Loss cable assemblies at L-com can be used in a myriad of applications including telecom, military/defense, laboratory test & measurement, industrial/commercial and many more. We build our cables with the highest quality materials and offer complete lines featuring Times Microwave components
<a href="#">Formable Cable Assemblies</a> 	085 Semi-Rigid, 085 Formable, 141 Semi-Rigid, 141 Formable	Male-Male, Male-Female	Straight	N Series, SMA	Rolled Steel	These innovative cable assemblies allow our customers to form the cable around various structures, giving numerous advantages to standard jacketed cables. They are perfect for microwave and RF systems, medical imaging and test/measurement equipment
<a href="#">Connectors</a> 	Numerous Standard Coax Cable and Low Loss options	Male, Female	Straight, Right Angle, Bulkhead	BNC, FME, MCX, MMCX, N Series, QMA, SMA, TNC and many more	Nylon, Nickel, Gold	We at L-com carry numerous coaxial connector interfaces for many different cable types. Our connectors include various termination styles like crimp, clamp, twist-on and termination
<a href="#">Adapters</a> 	N/A	Male-Male, Male-Female, Female-Female	Straight, Right Angle, Bulkhead	BNC, 7/16 DIN, N Series, SMA, SMB, TNC, UHF, and many more	Plastic, Brass	L-com's large line of coaxial adapters allow our customers to adapt and couple RF components quickly and efficiently. Available in both common and rare configurations
<a href="#">Bulk Cable</a> 	RG174, RG188, RG316, RG58, RG142B, RG213, RG223, LMR-100, LMR-195, LMR-200, LMR-240, LMR-400, LMR-400 UF, LMR-600, LMR-900 and many more	N/A	N/A	N/A	Nylon, Nickel, Bronze, Gold	Our bulk coaxial cable at L-com covers a wide range of applications including ultra-flex and direct burial. L-com guarantees we have the cable you are looking for
<a href="#">Attenuators</a> 	N/A	Male-Female	Straight	N Series, SMA, TNC		Our RF attenuators are built with in-line design and feature N, SMA and TNC connectors. We offer various levels of attenuation from 1 to 30 db
<a href="#">Tools &amp; Kits</a> 	RG174, RG188, RG316, RG58, RG142B, RG213, RG223, LMR-100, LMR-195, LMR-200, LMR-240, LMR-400, LMR-400 UF, LMR-600, LMR-900 and many more	N/A	N/A	Crimp, compression		Aside from our extensive coaxial products, L-com offers many tools and kits that make cable installations a breeze. We offer crimp and compression tools, crimp and strip kits as well as waterproofing tape

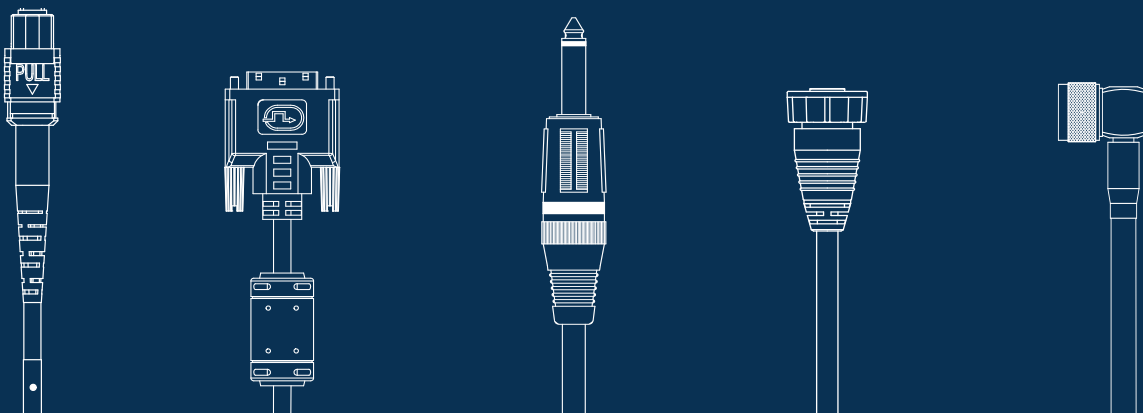
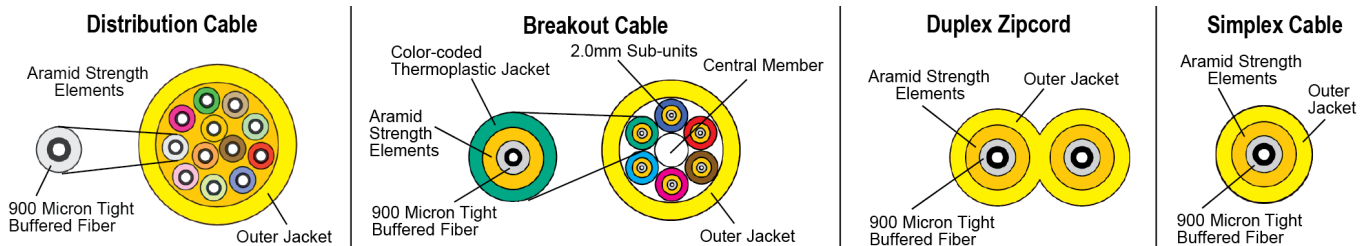
# FIBER OPTICS

L-com continues to be a leader in fiber optic products with our far-reaching catalog of cables, connectors, and adapters. We also offer attenuators, bulk cable, and termination tools. We are proud to be your one-stop shop for all your fiber optic needs with our entire line of products that are in stock and ready to ship at a moment's notice.









- Countless cable assembly options for every fiber need, including active optical cables
- All common connector interfaces for any job imaginable
- Options on all our cables, connectors, and adapters for high-stress environments
- Same-day shipping on all products if ordered Monday through Friday before 6:00 pm CT
- Custom cable capabilities for all cable configurations

## Bulk Fiber Optic Cabling - Sold by the Meter (1m = 3.28ft)

L-com offers the most popular types of Simplex, Duplex, Breakout and Distribution style cables. All are available from stock in 1 meter intervals with a 25 meter minimum unless otherwise noted. Other cabling types are available by request. Jacket color of bulk cable may vary. Contact L-com today for custom termination of bulk cable. NOTE: Bulk cable custom lengths are non-returnable.



# FIBER OPTICS

Fiber Optics	Mode	Fiber Diameter	Fiber Type	Connectors	Special Features
<a href="#">Cable Assemblies</a> 	Single Mode, Multimode	62.5 Micron, 50 Micron, 9 Micron	OS2, OM1, OM2, OM3, OM4	FC, LC, MPO, SC, ST, TOSLINK and many more	L-com offers a large range of fiber cables encompassing all modes, classes and connector combinations. We also offer various jacket options like LSZH and OFNR
<a href="#">Military/Industrial Cable Assemblies</a> 	Single Mode, Multimode	62.5 Micron, 50 Micron, 9 Micron	OS2, OM1, OM2, OM3, OM4	LC, SC, ST	L-com's ruggedized fiber cable catalog includes both waterproof and mil-spec cable assemblies. Our waterproof assemblies are IP67 rated while our mil-spec cables meet military impact and crush resistance specifications
<a href="#">Couplers and Adapters</a> 	Single Mode, Multimode, Single/Multimode	N/A	N/A	FC, LC, MPO, SC, ST, TOSLINK and many more	Our complete line of fiber optic couplers and adapters provide our customers with a variety of solutions. Our adapters feature plastic and metal body options, multiple interfaces, and various port counts including Simplex, Duplex, MPO and Quad
<a href="#">Ruggedized Plugs and Receptacles</a> 	Single Mode, Multimode	62.5 Micron, 50 Micron, 9 Micron	OS2, OM1, OM2, OM3, OM4	LC, ST	Our ruggedized fiber connectors are built to stand up to the toughest conditions. We offer IP67 rated plugs and receptacles, MIL-C-83522 qualified couplers and economy industrial grade connectors
<a href="#">Attenuators</a> 	N/A	N/A	N/A	FC, LC, SC, ST	L-com offers a complete line of fiber optic attenuators ranging from 5 to 25 db of attenuation. We also offer options in APC, PC and UPC polish
<a href="#">Connectors</a> 	Single Mode, Multimode	62.5 Micron, 50 Micron, 9 Micron	OS2, OM1, OM2, OM3, OM4	FC, LC, MPO, SC, ST	L-com carries a wide range of connectors, including UniCam connectors, to fit all your fiber optic needs. We offer multiple connector options, fiber diameters and cable types
<a href="#">Bulk Cable</a> 	Single Mode, Multimode	62.5 Micron, 50 Micron, 9 Micron	OS1, OS2, OM1, OM2, OM3, OM5	N/A	L-com offers various models of fiber optic bulk cable including breakout cable, distribution, zipcord, simplex and duplex. We also offer jacket ratings of LSZH, OFNP and OFNR
<a href="#">Tools</a> 	N/A	62.5 Micron, 50 Micron, 9 Micron	OS2, OM1, OM2, OM3, OM4	FC, LC, MPO, SC, ST, TOSLINK and many more	L-com carries everything from crimp dies and ratchet tools to scribe wedges, and fiber strippers and cleaners





# D-SUBMINIATURE

L-com offers the most comprehensive catalog of D-subminiature products anywhere on the web. We offer multiple cable assembly options from economy lines to crush-resistant stainless steel armor that include all major pinout options, including a vast selection of null modem products. Our connectors and adapters will serve every need of our customers for a wide range of applications like data networking, RS-232 serial communications and testing/measurement needs.

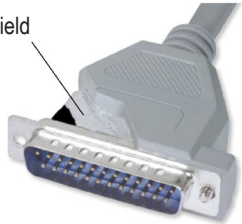
- A variety of options for length, number of pins, pinout options, form factors and jacket materials
- All manner of products from cable assemblies, standard and waterproof connectors, adapters, switch boxes and converters
- Same-day shipping on all products if ordered Monday through Friday before 6:00 PM CT
- Custom cable capabilities for any and all cable configurations

## L-com's 360° Shielding Process

L-com's manufacturing process includes 360 degree shielding under the mold to insure full shielding from the bulk cable shield to the connector shell. Some competitors shortcut this process by just tack soldering the cable drain wire to the connector shell. In many applications this shortcut results in EMI leakage, causing system fail testing.

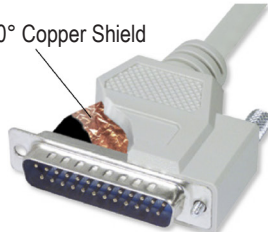
**Economy Series**

360° Foil Shield



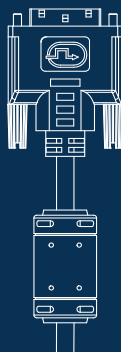
**Deluxe Series**

360° Copper Shield










**Premium Series**

Terminal Shield  
Custom steel box  
provides 100%  
shielding



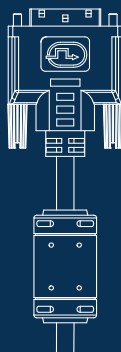
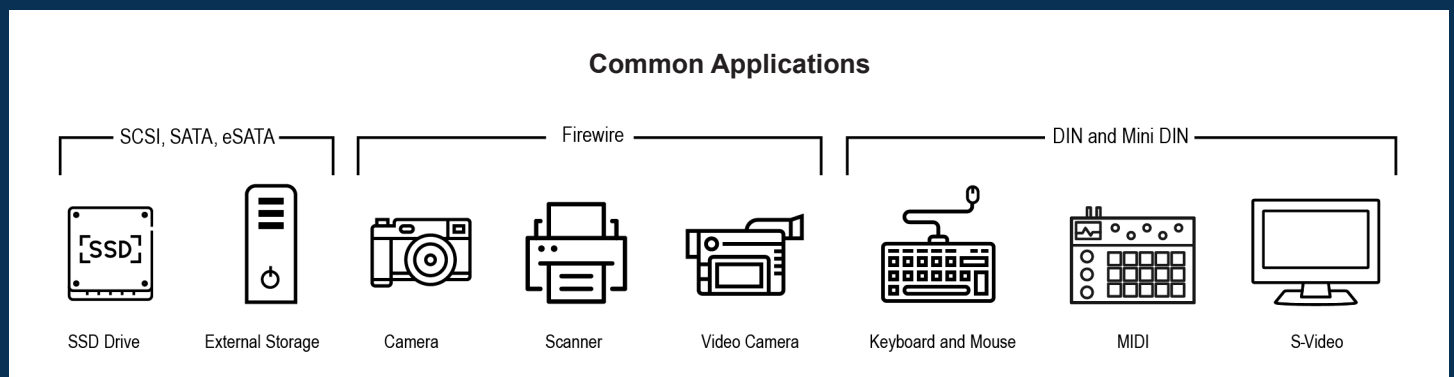
# D-SUBMINIATURE

D-Subminiature	Number of Pins	Genders	Form Factor	Pin out options	Applications	Special Features
<a href="#">Standard D-Sub Cables</a> 	9, 15, 25, 26, 37, 44, 50, 62, 78	Male-Male, Male-Female, Female-Female	Straight, Right Angle	Standard, Null Modem, Custom	RS-232 serial communications, data networking, test and measurement	L-com's complete line of D-subminiature cable assemblies includes various pin configurations, jackets and panel mount options. Our complete line features Economy, Deluxe and Premium cables for various value packages. We also have a large selection of null modem cables as well
<a href="#">Ruggedized Cables</a> 	9, 15, 25	Male-Male, Male-Female, Female-Female	Straight	Standard, Null Modem, Custom	RS-232 serial communications, data networking, test and measurement	We offer a unique selection of Rugged Industrial D-sub cables including heavy duty cables and stainless steel armored jackets. Our heavy duty line features thick PVC jacketing and 2x mold hold on our connectors. Our armored jacket cables come in plastic jackets rated for 800 psi crush resistance and stainless steel jackets rated for 1500 psi crush resistance
<a href="#">Standard Connectors</a> 	9, 15, 25, 37, 50	Male, Female	Straight, Right Angle	Standard, Null Modem, Custom	RS-232 serial communications, data networking, test and measurement	We at L-com carry a complete line of D-subminiature connectors with all assortments of termination styles including crimp, solder and screw-down terminals. All of our D-subminiature connectors are simple to use and quick to terminate, making them a top choice for all users
<a href="#">Waterproof Connectors</a> 	9, 15, 25	Male, Female	Straight	Standard, Null Modem, Custom	RS-232 serial communications, data networking, test and measurement	L-com offers a unique line of waterproof D-subminiature connectors. These IP67 rated connectors come in panel mount or standard backshell kits. They will keep all connections free of dirt, dust and moisture to hold up in some of the most demanding elements
<a href="#">Standard Adapters</a> 	9, 15, 25, 26, 37, 44, 50, 62, 78	Male-Male, Male-Female, Female-Female	Straight, Right Angle	Standard, Null Modem, Custom	RS-232 serial communications, data networking, test and measurement	Our line of D-subminiature adapters allows our customers to adapter virtually any D-subminiature connection. Whether you need an angled adapter, port saver or gender changer, We have an option on hand and in stock
<a href="#">Bulk Cable</a> 	4, 5, 9, 15, 25, 36, 50	N/A	N/A	N/A	RS-232 serial communications, data networking, test and measurement	Build and wire any D-subminiature solution with our line of bulk cable. Multiple gauge, conductor count and jacket materials including PVC and LSZH
<a href="#">Switch Boxes</a> 	9, 15, 25	Female	N/A	Standard	RS-232 serial communications, data networking, test and measurement	Our switch boxes at L-com are built from sturdy shielded metal and include 2 way and 4 way switch box options
<a href="#">Signal Extenders/Converters</a> 	9, 15, 25	Female	N/A	Standard	RS-232 serial communications, data networking, test and measurement	L-com offers numerous options for extending or converting a serial communication signal utilizing D-subminiature cables. Our devices work for RS-232, RS-422 and RS-485 serial communication protocols

# FIREWIRE/IEEE






L-com continues to serve the world of data interconnects with our complete line of products ranging from GPIB cables to Firewire and SATA cables. As technology changes, these products are becoming more difficult to find, but L-com continues to serve our customers with in-stock solutions and same-day shipping for all our data interconnect parts.

- Multiple length options to cover a wide array of applications
- Classic interfaces found on common devices needed to connect inputs and outputs
- Top quality materials to keep your system up and running
- Same-day shipping on all products if ordered Monday through Friday before 6:00 PM CT
- Custom cable capabilities for all cable configurations





# FIREWIRE/IEEE

IEEE-488 GPIB	Gender	Form Factor	Protocol	Applications	Special Features
<a href="#">GPIB Cables</a> 	Male-Male, Female-Female, Male-Female	Normal, Inline, Reverse, Reverse Piggyback	IEEE-488	Data Acquisition, Instrument Control, Test and Measurement	All L-com GPIB cables are built with crimp ferrule strain relief that protects the connector from leakage and also provides enhanced mechanical strength. Our GPIB cables come in numerous form factors and gender options for the reliable IEEE-488 protocol
<a href="#">GPIB Adapters</a> 	Female-Female, Male-Female	Normal, Bulkhead	IEEE-488	Data Acquisition, Instrument Control, Test and Measurement	L-com's innovative GPIB adapters allow our customers not only to adapt existing GPIB cables, but also fit any panel or enclosure with a GPIB port. Our bulkhead adapters also feature fiberglass insulated options for users concerned with ground loops
<a href="#">Firewire Cables</a> 	Male-Male, Female-Female, Male-Female	Straight	IEEE-1394, IEEE-1394b	Document Scanning, Camcorder Interconnects, Digital Photography, Peripheral to Host Communication	L-com's complete line of firewire products features "plug and play" connections for printers, scanners, cameras and any other firewire peripherals. We offer cable configurations in Type 1, Type 2 and Type B connectors
<a href="#">SATA Cables</a> 	Male-Male, Female-Female, Male-Female	Straight, Right Angle	Serial ATA	Data Transfer, External Storage, Hard Disk Drives	L-com offers a complete line of SATA cables for data transfer and storage in a smaller package. Our SATA cables support transfer rates up to 6 Gbps and come in straight or right angled configurations
<a href="#">SCSI Cables</a> 	Male-Male, Male-Female	Straight	SCSI	Data Transfer, Hard Disk Drives, Storage Applications	All of L-com's SCSI cables are manufactured to meet or exceed SCSI standards. Users can have confidence in these double shielded cable assemblies featuring SCSI-1, SCSI-3 or SCSI-5 connectors to never let them down





## CUSTOM ENGINEERED CONNECTIVITY SOLUTIONS

### SOLVE YOUR UNIQUE DESIGN CHALLENGES WITH L-COM

L-com offers customized solutions across our wired and wireless product lines with short lead times and either no or low minimum order quantities to meet your project requirements.

Custom product capabilities include fiber, coax, and Ethernet cable assemblies as well as custom adapters, antennas, weatherproof NEMA enclosures, and more. L-com's comprehensive custom services include:

- CAD design and 3D modeling
- Free technical support and application assistance
- Field application support
- Quick access to datasheets, 2D drawings, 3D models, technical information, and resources
- Fast response to quotes, designs, prototypes, and manufacturing requests
- Custom orders are spec controlled and proprietary to the customer to protect your application



Contact us today at **+1 (800) 341-5266** or [sales@l-com.com](mailto:sales@l-com.com) with your custom product requirements, or visit us at [l-com.com/about-us/custom-product-capabilities](http://l-com.com/about-us/custom-product-capabilities)

**L-com**<sup>TM</sup>  
an INFINITE® brand





L-com now provides commercial voice/data cabling, and IT/AV installation services anywhere in the US and Canada through our partnership with INC Installs.

INC Installs (INC) specializes in structured cabling as well as IT/AV installation services. INC's national network of contractors provides scale and the ability to perform IT projects anywhere in the US or Canada. Through a single point of contact INC facilitates a full range of IT, AV, voice, video, data and fiber network installation services. INC's proven project management process and nationwide coverage ensures smooth technology rollouts and wiring projects no matter the location.

From start to finish, INC can help you plan your rollout, develop statements of work, procure the right supplies, pre-configure equipment, deliver them to the site and execute the plan while keeping you informed throughout the entire

## INC Installs Services

- Audio Video Installation
- Cable Supplies and Distribution
- Demarc Extension
- Fiber Optic Cabling
- IT Equipment Installation
- Kitting Services
- National Rollout
- Network Wiring Testing
- Phased Rollouts
- Professional Wireless Network Installation
- Single-Day Multi-City Installations
- Site Surveys
- Staging and Logistics
- Structured Cabling Installation



## PRODUCT SOLUTIONS FOR EVERY NEED, WHEN YOU NEED THEM

In addition to offering the industry's largest selection of wired products and cable assemblies, L-com has a wide variety of other parts, **in-stock and ready to ship today find them at L-com.com!**

- Antennas
- IoT/Wireless Components
- RF Filters/Splitters
- Weatherproof Enclosures
- Lightning Protectors
- PoE Products
- Telecom/Modular
- Patch Panels, Racks
- Ethernet Converters
- Ethernet Switches



### MARKETS WE SERVE



DEFENSE / AEROSPACE



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#### About Infinite Electronics

Infinite Electronics is a leading global supplier of electronic components serving the urgent needs of engineers through a family of highly recognized and trusted brands. Our portfolio of brands, including Pasternack, Fairview Microwave, L-com, MilesTek, ShowMe Cables, NavePoint, INC Installs, Integra Optics, PolyPhaser, Transtector, KP Performance Antennas, RadioWaves, and Aiconics are technology specialists that provide broad inventories offering engineering-grade products, expert technical support, and same-day shipping.