Premium USB Type A - B Cable, 0.5m

Features for this product

- Standard USB cable assembly, Type A male to Type B male Connectors
- Simple plug and play connections from USB hosts and peripherals
- Molded backshells provide durability and increased strength at cable entry point
- Foil plus braid shield provides maximum protection against EMI/RFI
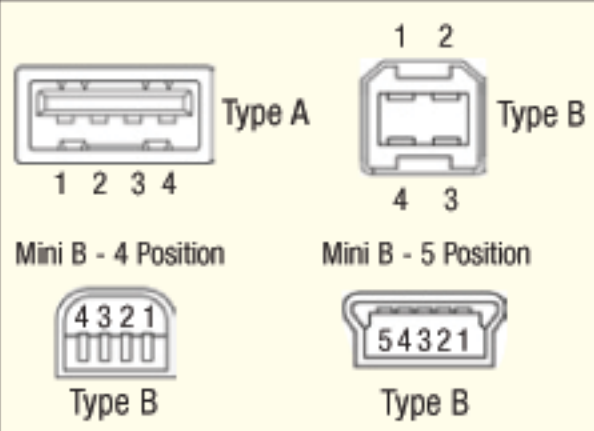- USB Revision 1.0, 1.1, and 2.0 compliant

Highest quality USB cables allow for transfer rates up to 480 Mbps. These cables allow for simple "plug & play" connections for devices such as printers, keyboards/mice, digital cameras and other USB peripherals. Twisted pair data lines help reduce crosstalk while 20 AWG power conductors enable maximum power transfer from host to peripheral. Quantity pricing available, please contact your L-com Sales Representative.

Details for this product

L-com Item #	CSMUAB-05M
Manufacturer	L-com
UPC #	822335015159
RoHS Status	RoHS Compliant ✅

USB Plugs
Mating Side Views

Type A
1 2 3 4

Type B
1 2
4 3

Mini B - 4 Position
4 3 2 1
Type B

Mini B - 5 Position
5 4 3 2 1
Type B

CSMUAA

CSMUAB-M

CSMUAMB4-M

CSMUAMB5-M

CSMUAX-M

CSUZAB-M

Item #	Description

Universal Serial Bus 2.0 (USB) Cable Assemblies Allow Transmission Speeds To 480 Mbps

Highest quality USB cables allow for transfer rates up to 480 Mbps. These cables allow for simple Plug and Play connections for devices such as printers, keyboards/mice, digital cameras and other USB peripherals. Twisted pair data lines help reduce crosstalk while 20 AWG power conductors enable maximum power transfer from host to peripheral.

☑ Premium USB Cable - Type A - A Connectors, PVC Jacket, 30 Microinch Gold

CSMUAA-05M	Premium USB Type A - A Cable, 0.5m
CSMUAA-1M	Premium USB Type A - A Cable, 1.0m
CSMUAA-2M	Premium USB Type A - A Cable, 2.0m
CSMUAA-3M	Premium USB Type A - A Cable, 3.0m
CSMUAA-5M	Premium USB Type A - A Cable, 5.0m

☑ Premium USB Cable - Type A - B Connectors, PVC Jacket, 30 Microinch Gold

CSMUAB-05M	Premium USB Type A - B Cable, 0.5m
CSMUAB-1M	Premium USB Type A - B Cable, 1.0m
CSMUAB-2M	Premium USB Type A - B Cable, 2.0m
CSMUAB-3M	Premium USB Type A - B Cable, 3.0m
CSMUAB-5M	Premium USB Type A - B Cable, 5.0m

☑ Premium USB Cable - Type A - Mini B 4 Position, PVC Jacket, 30 Microinch Gold

CSMUAMB4-1M	Premium USB Type A - Mini B 4 Position Cable, 1.0m
CSMUAMB4-2M	Premium USB Type A - Mini B 4 Position Cable, 2.0m
CSMUAMB4-3M	Premium USB Type A - Mini B 4 Position Cable, 3.0m

☑ Premium USB Cable - Type A - Mini B 5 Position, PVC Jacket, 30 Microinch Gold

CSMUAMB5-1M	Premium USB Type A - Mini B 5 Position Cable, 1.0m
CSMUAMB5-2M	Premium USB Type A - Mini B 5 Position Cable, 2.0m
CSMUAMB5-3M	Premium USB Type A - Mini B 5 Position Cable, 3.0m

☑ Premium USB Extension Cable - Type A Connectors, PVC Jacket, 30 Microinch Gold

CSMUAX-1M	Premium USB Type A Male / Female Extension Cable, 1.0m
CSMUAX-2M	Premium USB Type A Male / Female Extension Cable, 2.0m
CSMUAX-3M	Premium USB Type A Male / Female Extension Cable, 3.0m

☑ Low Smoke Zero Halogen USB Cable - Type A - B Connectors, 30 Microinch Gold

Low Smoke Zero Halogen cable reduces the amount of toxic and corrosive gases emitted during combustion. Typically used in poorly ventilated areas, Low Smoke Zero Halogen is becoming very popular where the protection of people and equipment from toxic and corrosive gases is critical.

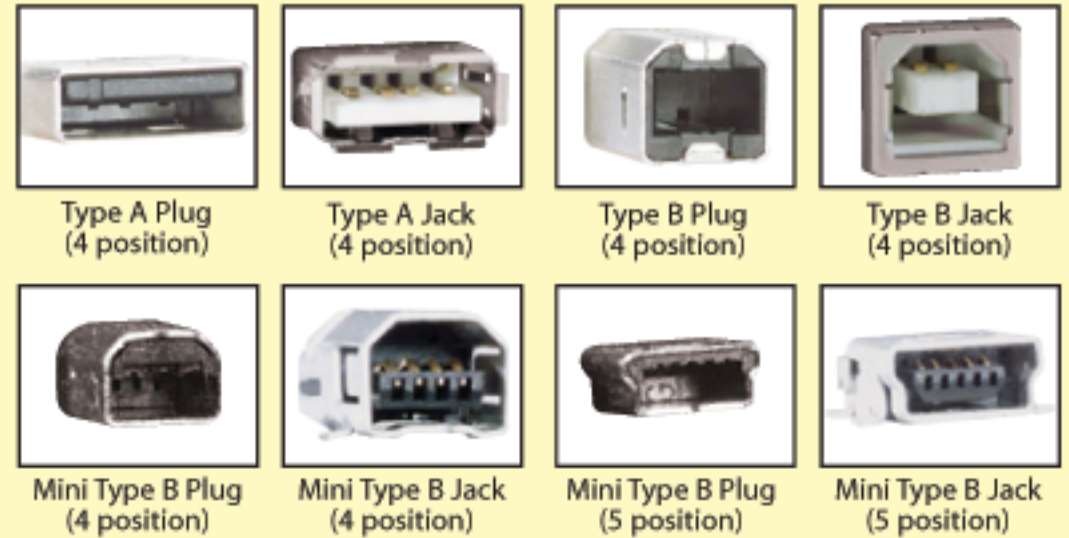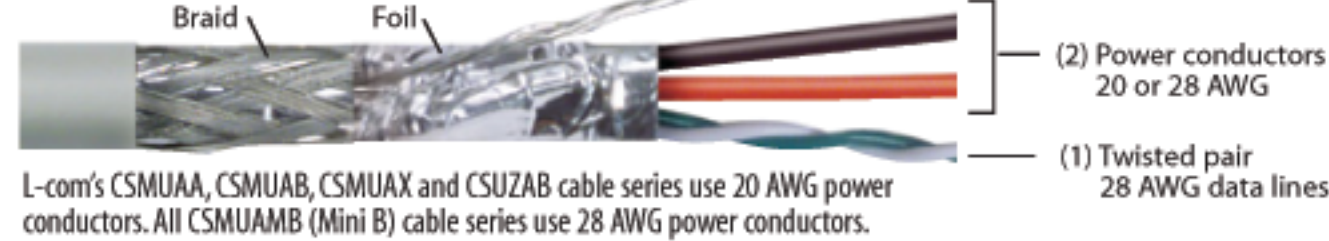|	
CSUZAB-1M	LSZH USB Type A - B Cable, 1.0m
CSUZAB-2M	LSZH USB Type A - B Cable, 2.0m
CSUZAB-3M	LSZH USB Type A - B Cable, 3.0m
CSUZAB-5M	LSZH USB Type A - B Cable, 5.0m

💡 Tip — What is USB?

Universal **S**erial **B**us is a high speed connectivity standard enabling simple Plug and Play connections to devices such as modems, digital cameras, camcorders, keyboards and mice. The standard is being supported by many leading suppliers of computers and peripherals. An advantage of USB is that the devices are hot pluggable meaning live connection/disconnection without data loss or interruption. Devices manufactured to the current USB Revision 2.0 specification are backward compatible with version 1.1.

The USB specification requires a host system to be equipped with an A type jack. The B type jack is typically found on peripheral devices requiring detachable cables. Therefore, detachable USB cables are configured as A to B male combination, preventing improper bus configurations and topology miswiring.

Connectors

Type A Plug (4 position)
Type A Jack (4 position)
Type B Plug (4 position)
Type B Jack (4 position)

Mini Type B Plug (4 position)
Mini Type B Jack (4 position)
Mini Type B Plug (5 position)
Mini Type B Jack (5 position)

USB Cable Construction

Braid
Foil
Drain wire
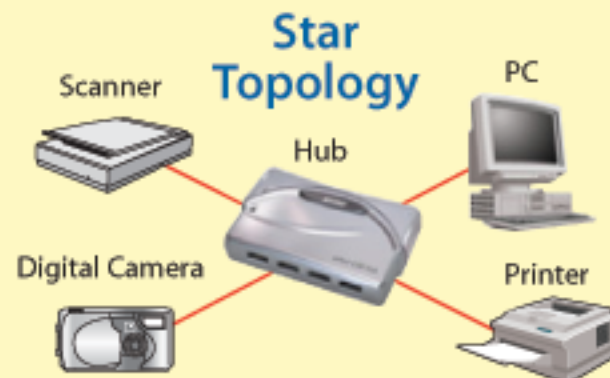(2) Power conductors 20 or 28 AWG
(1) Twisted pair 28 AWG data lines

L-com's CSMUAA, CSMUAB, CSMUAX and CSUZAB cable series use 20 AWG power conductors. All CSMUAMB (Mini B) cable series use 28 AWG power conductors.

USB Limitations

Transmission Rate:	Rev. 2.0, 480Mbps Rev. 1.1, 12Mbps
Cable Length/Node:	5 meters
Devices/Bus:	127
Tiers/Bus:	5

Topology

USB is a serial, bi-directional bus that can be layered in tiers or star shaped with the use of a hub. USB does not require terminators or manual addressing.

Star Topology

Scanner
Hub
PC
Digital Camera
Printer

Tier Topology

Host Tier
Tier 1
Tier 2
Tier 3
Tier 4