

| Item # | Description | Color | 1-9 | 10-24 | 25-99 | 100-249 | 250-499 |
|--------------|--|-------|-------|-------|-------|---------|---------|
| ✓RoHS | Low Smoke Zero Halogen USB Cable - Type A - B & A - A Connectors, 30 Microinches Gold | | | | | | |
| CSUZAA-05M | LSZH USB Type A - A Cable, 0.5m | Black | 12.95 | 11.91 | 10.88 | 9.84 | 8.81 |
| CSUZAA-1M | LSZH USB Type A - A Cable, 1.0m | Black | 14.45 | 13.29 | 12.14 | 10.98 | 9.83 |
| CSUZAA-2M | LSZH USB Type A - A Cable, 2.0m | Black | 17.45 | 16.05 | 14.66 | 13.26 | 11.87 |
| CSUZAA-3M | LSZH USB Type A - A Cable, 3.0m | Black | 20.45 | 18.81 | 17.18 | 15.54 | 13.91 |
| CSUZAA-5M | LSZH USB Type A - A Cable, 5.0m | Black | 26.45 | 24.33 | 22.22 | 20.10 | 17.99 |
| CSUZAB-05M | LSZH USB Type A - B Cable, 0.5m | Black | 12.95 | 11.91 | 10.88 | 9.84 | 8.81 |
| CSUZAB-1M | LSZH USB Type A - B Cable, 1.0m | Black | 14.45 | 13.29 | 12.14 | 10.98 | 9.83 |
| CSUZAB-2M | LSZH USB Type A - B Cable, 2.0m | Black | 17.45 | 16.05 | 14.66 | 13.26 | 11.87 |
| CSUZAB-3M | LSZH USB Type A - B Cable, 3.0m | Black | 20.45 | 18.81 | 17.18 | 15.54 | 13.91 |
| CSUZAB-5M | LSZH USB Type A - B Cable, 5.0m | Black | 26.45 | 24.33 | 22.22 | 20.10 | 17.99 |

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|---------------|---|-------|-------|------|------|------|------|
| ✓RoHS | Premium USB Cable - Type A - Micro B 5 Position, PVC Jacket, 30 Microinches Gold | | | | | | |
| CSMUAMICB-05M | Premium USB Type A - Micro B 5 Position Cable, 0.5m | Black | 7.60 | 6.84 | 6.08 | 5.32 | 4.56 |
| CSMUAMICB-1M | Premium USB Type A - Micro B 5 Position Cable, 1.0m | Black | 8.15 | 7.34 | 6.52 | 5.71 | 4.89 |
| CSMUAMICB-2M | Premium USB Type A - Micro B 5 Position Cable, 2.0m | Black | 9.30 | 8.37 | 7.44 | 6.51 | 5.58 |
| CSMUAMICB-3M | Premium USB Type A - Micro B 5 Position Cable, 3.0m | Black | 10.45 | 9.40 | 8.36 | 7.31 | 6.27 |

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|--------------|--|-------|-------|------|------|------|------|
| ✓RoHS | Premium USB Cable - Type A - Mini B 4 Position, PVC Jacket, 30 Microinches Gold | | | | | | |
| CSMUAMB4-1M | Premium USB Type A - Mini B 4 Position Cable, 1.0m | Black | 8.15 | 7.34 | 6.52 | 5.71 | 4.89 |
| CSMUAMB4-2M | Premium USB Type A - Mini B 4 Position Cable, 2.0m | Black | 9.30 | 8.37 | 7.44 | 6.51 | 5.58 |
| CSMUAMB4-3M | Premium USB Type A - Mini B 4 Position Cable, 3.0m | Black | 10.45 | 9.40 | 8.36 | 7.31 | 6.27 |

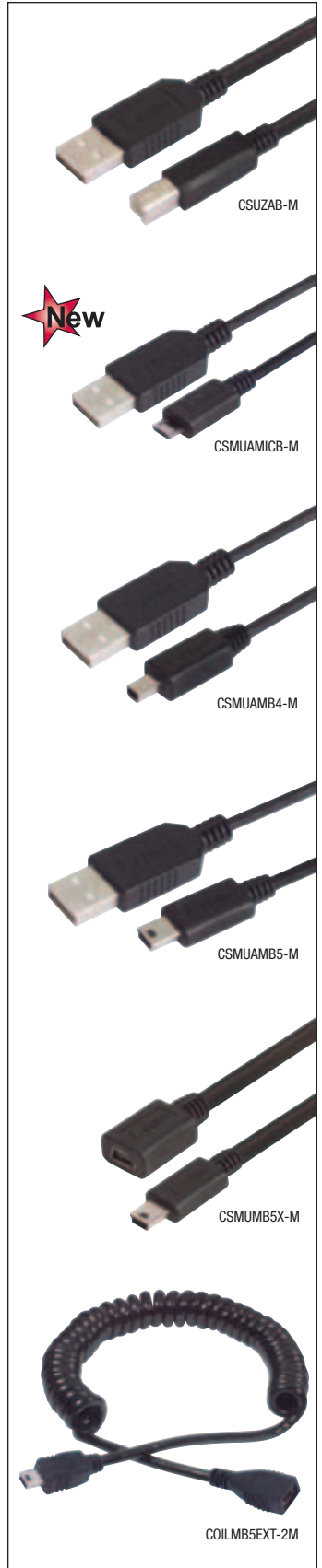
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|--------------|--|-------|-------|------|------|------|------|
| ✓RoHS | Premium USB Cable - Type A - Mini B 5 Position, PVC Jacket, 30 Microinches Gold | | | | | | |
| CSMUAMB5-1M | Premium USB Type A - Mini B 5 Position Cable, 1.0m | Black | 8.15 | 7.34 | 6.52 | 5.71 | 4.89 |
| CSMUAMB5-2M | Premium USB Type A - Mini B 5 Position Cable, 2.0m | Black | 9.30 | 8.37 | 7.44 | 6.51 | 5.58 |
| CSMUAMB5-3M | Premium USB Type A - Mini B 5 Position Cable, 3.0m | Black | 10.45 | 9.40 | 8.36 | 7.31 | 6.27 |

✓RoHS Premium USB Extension Cable - Mini B 5 Position Male/Female
 L-com's CSMUMB5X series cables are designed to connect devices such as GPS units and other USB Mini B 5 position peripherals. All 5 mini B positions are connected to insure proper functionality in every application. We offer these Mini B5 extension cables in off the shelf lengths of 1, 2, and 3 meters. These cables feature foil plus braid shielding to provide maximum protection against EMI/RFI.

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|-------------|--|-------|-------|------|------|------|------|
| CSMUMB5X-1M | Premium USB Mini B 5 Position Cable, Male / Female, 1.0m | Black | 8.65 | 7.79 | 6.92 | 6.05 | 5.19 |
| CSMUMB5X-2M | Premium USB Mini B 5 Position Cable, Male / Female, 2.0m | Black | 9.80 | 8.82 | 7.84 | 6.86 | 5.88 |
| CSMUMB5X-3M | Premium USB Mini B 5 Position Cable, Male / Female, 3.0m | Black | 10.95 | 9.86 | 8.76 | 7.66 | 6.57 |

✓RoHS Variable Length USB Coil Cable - Mini B 5 Position Male/Female
 This innovative USB coil cable from L-com features a retracted length 0.5 meters and an expanded length of two meters and can be used with GPS systems as well as cameras and other peripherals using the USB Mini B5 interface. All 5 mini B positions are connected to insure proper functionality in every application. The tough, durable polyurethane jacket enhances recoil memory and 30 microinch gold plated contacts provide reliable connections with repeated mating cycles. Order online today!

| | | | | | | | |
|---------------|--|-------|-------|-------|------|------|------|
| COILMB5EXT-2M | USB Coil Cable - Mini B 5 Position Male / Female, 0.5m to 2.0m | Black | 11.50 | 10.58 | 9.66 | 8.74 | 7.82 |
|---------------|--|-------|-------|-------|------|------|------|







Tip Waterproof Connectors - Where are they used and how are they rated?

Where are they used?

Applications for these connectors are numerous and include automotive, communication, industrial and medical instruments. Dust and moisture are the two most common contaminants that enter through exposed data ports, damaging or destroying electronic equipment. Fortunately, specially sealed cables and connectors are available from L-com to protect these ports from dust and moisture.

L-com offers a number of protected interface types including:

| | | | |
|--|---|--|---|
| D-subminiature for many serial and parallel devices  WPDB Series | RJ45 for industrial Ethernet applications  WJP Series | USB for device interconnection and data transfer  WPU5B Series | Fiber Optic for industrial networks/harsh environments  FODLC-IND Series |
|--|---|--|---|

How are they rated?

The most popular system to rate the environmental protection of a particular connector is the Ingress Protection Rating (commonly known as IP Rating). The IP Rating is a number ranging from 1 to 3 digits.

- The first digit rates protection against ingress of solid objects
- The second digit rates protection against ingress of liquids
- The third digit rates protection against impact damage

Note: Many products, including L-com products, are not rated for impact. Larger value digits indicate greater protection against that substance/force.

Please see the chart below for details of the first two digit ratings:

| First number (Protection against solid objects) | Definition | Second number (Protection against liquids) | Definition |
|---|--|--|---|
| 0 | No protection | 0 | No protection |
| 1 | Protected against solid objects over 50mm (e.g. accidental touch by hands) | 1 | Protected against vertically falling drops of water |
| 2 | Protected against solid objects over 12mm (e.g. fingers) | 2 | Protected against direct sprays up to 15° from the vertical |
| 3 | Protected against solid objects over 2.5mm (e.g. tools and wires) | 3 | Protected against direct sprays up to 60° from the vertical |
| 4 | Protected against solid objects over 1mm (e.g. tools, wires and small wires) | 4 | Protected against sprays from all directions - limited ingress permitted |
| 5 | Protected against dust - limited ingress (no harmful deposit) | 5 | Protected against low pressure jets of water from all directions - limited ingress permitted |
| 6 | Totally protected against dust | 6 | Protected against strong jets of water, e.g. for use on ship decks - limited ingress permitted |
| | | 7 | Protected against the effects of temporary immersion between 15cm and 1m. Duration of test 30 minutes |
| | | 8 | Protected against long periods of immersion under pressure |



To see our entire product offering go to... L-com.com

