

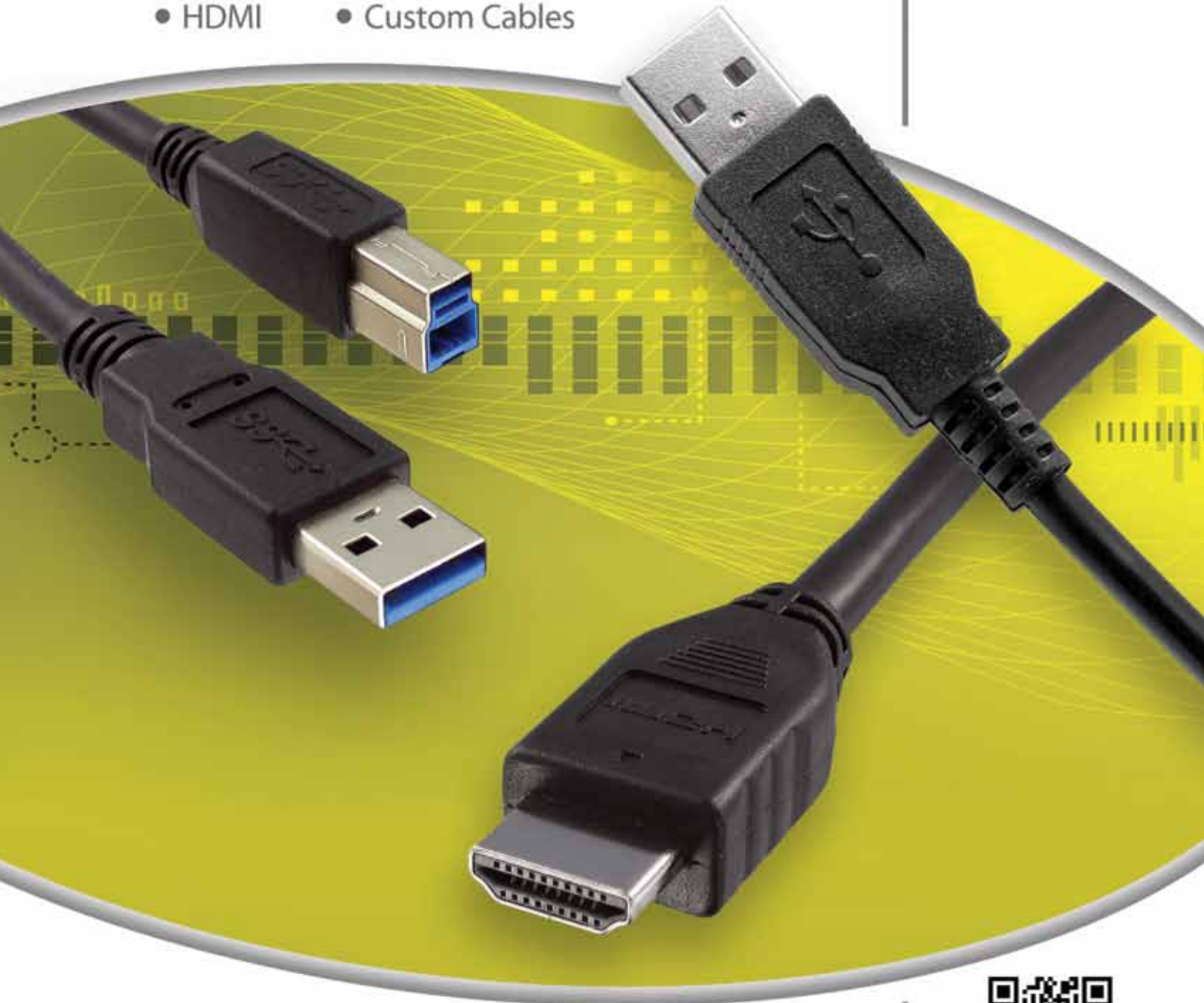
# Qualtek

Electronics Corporation



## Cable Assemblies

- USB 2.0
- USB 3.0
- HDMI
- DVI
- Fiber Optic
- Custom Cables



[www.Qualtekusa.com](http://www.Qualtekusa.com)



**Features:**

- USB 2.0 and backwards compatible for USB 1.0 and 1.1
- Supports high speed, 480Mbps
- Twisted-pair construction reduces cross talk to ensure error free transfer
- RoHS Compliant



### USB A MALE TO USB B MALE

PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (FT.)
3021001-03	Black	Nickel	28/28	3
3021007-06	Black	Nickel	26/28	6
3021013-10	Black	Nickel	26/28	10
3021019-16	Black	Gold	24/26	16
3021025-16	Black	Gold	20/26	16



### USB A MALE TO USB MINI B MALE

PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (FT.)
3021003-03	Black	Nickel	28/28	3
3021009-06	Black	Nickel	26/28	6
3021015-10	Black	Nickel	26/28	10
3021021-16	Black	Gold	24/26	16
3021027-16	Black	Gold	20/26	16



### USB A MALE TO BLUNT CUT

PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (FT.)
3021005-03	Black	Nickel	28/28	3
3021011-06	Black	Nickel	26/28	6
3021017-10	Black	Nickel	26/28	10
3021023-16	Black	Gold	24/26	16
3021029-16	Black	Gold	20/26	16

Note: Custom colors and lengths available

# USB 3.0 CABLES

**Features:**

- USB 3.0 and backwards compatible for USB 2.0, 1.1 and 1.0
- Supports super speed, 5Gbps
- Provides optimized power efficiency
- Twisted-pair construction reduces cross talk to ensure error free transfer
- RoHS Compliant



### USB 3.0 A MALE TO A MALE

PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (M)
3023001-01M	Black	Nickel	30/30/24	1
3023013-02M	Black	Nickel	30/30/24	2
3023025-03M	Black	Nickel	30/30/24	3



### USB 3.0 A MALE TO B MALE

PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (M)
3023003-01M	Black	Nickel	30/30/24	1
3023015-02M	Black	Nickel	30/30/24	2
3023027-03M	Black	Nickel	30/30/24	3

# USB 3.0 CABLES

## USB 3.0 A MALE TO MICRO B MALE



PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (M)
3023005-01M	Black	Nickel	30/30/24	1
3023017-02M	Black	Nickel	30/30/24	2
3023029-03M	Black	Nickel	30/30/24	3

## USB 3.0 MICRO A MALE TO MICRO B MALE



PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (M)
3023007-01M	Black	Nickel	30/30/24	1
3023019-02M	Black	Nickel	30/30/24	2
3023031-03M	Black	Nickel	30/30/24	3

## USB 3.0 MICRO A MALE TO B MALE



PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (M)
3023009-01M	Black	Nickel	30/30/24	1
3023021-02M	Black	Nickel	30/30/24	2
3023033-03M	Black	Nickel	30/30/24	3

## USB 3.0 A MALE TO MICRO B MALE + POWER CABLE



PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (M)
3023011-01M	Black	Nickel	30/30/24, 30/28	1
3023023-02M	Black	Nickel	30/30/24, 30/28	2
3023035-03M	Black	Nickel	30/30/24, 30/28	3

Note: Custom colors and lengths available

# HDMI CABLES

### Features:

- High performance, 1.3b high speed HDMI cable
- HDCP Compliant
- Can support 1080P, 1080I and 720P resolutions
- Backwards compatible with previous HDMI standards
- RoHS Compliant

## HDMI A TO HDMI A



PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (FT.)
1721001-03	Black	Nickel	28	3
1721005-06	Black	Nickel	28	6
1721009-10	Black	Nickel	28	10
1721013-16	Black	Nickel	26	16
1721017-30	Black	Nickel	26	30

## HDMI A TO DVI - D SINGLE LINK (18 + 1)



PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (FT.)
1721003-03	Black	Nickel	28	3
1721007-06	Black	Nickel	28	6
1721011-10	Black	Nickel	28	10
1721015-16	Black	Nickel	26	16
1721019-30	Black	Nickel	26	30

Note: Custom colors and lengths available

**Features:**

- Compliant with the DVI standard defined by DDWG (Digital Display Working Group)
- 28 AWG Copper Conductors
- Supports up to 2048 x 1536 resolution
- RoHS Compliant



**DVI - A (12 + 5) TO VGA HD 15 MALE**

PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (FT.)
1321001-03	Black	Nickel	28	3
1321011-06	Black	Nickel	28	6
1321021-10	Black	Nickel	28	10
1321031-16	Black	Gold	28	16



**DVI - D SINGLE LINK (18 + 1) TO DVI - D SINGLE LINK (18 + 1)**

PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (FT.)
1321003-03	Black	Nickel	28	3
1321013-06	Black	Nickel	28	6
1321023-10	Black	Nickel	28	10
1321033-16	Black	Gold	28	16



**DVI - I SINGLE LINK (18 + 5) TO DVI - I SINGLE LINK (18 + 5)**

PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (FT.)
1321005-03	Black	Nickel	28	3
1321015-06	Black	Nickel	28	6
1321025-10	Black	Nickel	28	10
1321035-16	Black	Gold	28	16



**DVI - D DUAL LINK (24 + 1) TO DVI - D DUAL LINK (24 + 1)**

PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (FT.)
1321007-03	Black	Nickel	28	3
1321017-06	Black	Nickel	28	6
1321027-10	Black	Nickel	28	10
1321037-16	Black	Gold	28	16



**DVI - I DUAL LINK (24 + 5) TO DVI - I DUAL LINK (24 + 5)**

PART NUMBER	COLOR	CONN. PLATING	WIRE (AWG)	LENGTH (FT.)
1321009-03	Black	Nickel	28	3
1321019-06	Black	Nickel	28	6
1321029-10	Black	Nickel	28	10
1321039-16	Black	Gold	28	16

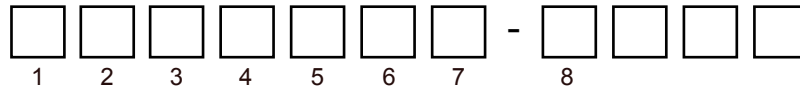
Note: Custom colors and lengths available





- Features:**
- Low insertion loss
  - Ultra-low return loss
  - Physical contact polishing
  - Easy installation
  - RoHS Compliant

## PART NUMBER GUIDE



### 1 - Product Type:

- J - Patch cord
- P - Pigtail

### 2 - Fiber Type:

- A - Single mode (9 / 125 um)
- B - Multimode (50 / 125 um)
- C - Single mode (62.5 / 125 um)

### 3 - Cable Type:

- D - Ø 3.0mm Duplex PVC cable
- E - Ø 3.0mm Simplex PVC cable
- F - Ø 2.4mm Simplex PVC cable
- G - Ø 2.0mm Simplex PVC cable
- H - Ø 0.9mm Simplex tight-buffered cable, PVC
- I - Ø 0.9mm Simplex tight-buffered cable, HYTREL
- J - 2.9 X 6.0mm zipcord duplex PVC cable
- K - 1.8 x 3.7mm zipcord duplex PVC cable
- L - 4C ribbon fiber tape
- M - 8C ribbon fiber tape

### 4 - Connector Type (#1 end):

- |              |                   |
|--------------|-------------------|
| 0 - None     | 7 - SC / APC      |
| 1 - FC / PC  | 8 - MU            |
| 2 - SC       | 9 - MTRJ (Female) |
| 3 - SC2      | A - MTRJ (Male)   |
| 4 - ST       | B - MPO (Female)  |
| 5 - LC       | C - MPO (Male)    |
| 6 - FC / APC |                   |

### 5 - Connector Type (#2 end):

Use the same code as #1 end

### 6 - Insertion Loss:

- P - 0.1dB (1310nm)
- A - 0.3dB (1310nm)
- B - 0.5dB (1310nm)
- C - 0.1dB (1550nm)
- D - 0.3dB (1550nm)
- E - 0.5dB (1550nm)
- F - 0.35dB (1310nm)
- G - 0.75dB (1310nm)

### 7 - Return Loss (for SM only):

- P - 35dB
- S - 45dB
- H - 50dB
- U - 55dB
- E - 60dB (for APC connector only)
- A - 65dB (for APC connector only)
- M - Multimode

### 8 - Cable Length (Meters):

- Example
- 0005 - 5 Meters
  - 0100 - 100 Meters

## CUSTOM CABLES



Qualtek Electronics offers a wide range of custom manufacturing capabilities and can provide custom cables such as flat ribbon cables, monitor cables, networking cables, SATA cables and wire harnesses.

# PRODUCT PROFILE

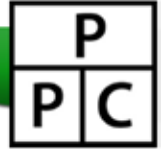


## FAN-S DIVISION

### AC & DC Fans and Accessories

Low cost, high tech AC & DC axial fans with sizes ranging from 25mm - 280 mm, DC voltages from 3.3VDC - 60VDC and AC voltages from 115VAC - 230VAC and many special features such as IP55 and IP67 rated, speed sensors, alarm functions and much more upon request. Each fan is offered with a variety of bearing types : 2-ball, 1-ball 1-sleeve, sleeve only, and our newly developed hydro dynamic bearing with better performance than sleeve and lower cost than 2 ball bearings. Every fan is available with a wide range of speeds from ultra low to super high speed.

Our fan accessories are famous worldwide and consist of wire form and plastic guards, plastic air filters, aluminum and stainless steel air filters, fan cords, and our patented noise reduction vibration sleeves.



## PRIMARY POWER COMPONENTS DIVISION

### AC Receptacles

A complete line of inlets, outlets, multifunction modules with major international approval marks thus assuring high safety standards and help customers comply with international regulations. Modern production methods enable us to manufacture cost-effective and reliable components. A full range of products are maintained in inventory for quick on-time deliveries. Custom designs are available upon request.

### Circuit Breakers

QLB and QMB series are compact and cost effective thermal circuit breakers with a wide range of amp ratings from 3A - 40A and offered in single pole and push-to-reset with safety agency certifications. We offer a large variety of bushing types, terminals, name plates, button colors and printing with custom configurations available.

### EMI Filters

EMI/RFI power line filters are designed to meet most international safety agency requirements. These filters help customers meet FCC and VDE emission standards. Our line consists of many standard configurations such as block type, filter with power line connector, and various filters with multifunctional modules. Custom designs are available upon request.

### Power Cords

A large selection of North American and International Power Cords that have been designed to comply with North American and international safety agency regulations to insure safe and reliable products. Offered in a wide selection of plugs and connectors available in various cable insulations, voltage ratings, colors, lengths, shielding and a full range of hospital grade certified power cords. Custom configurations and strain reliefs are available upon request.

### Power Supplies

A full range of low cost, high reliability and energy saving switch mode AC/DC power supplies consisting of enclosed, open frame models and waterproof LED drivers; our enclosed versions are rated from 15W - 600W, open frame from 20W - 125W and LED drivers with constant current 25W - 200W and constant voltage 25W - 300W. All models have universal voltage input and a variety of output voltages ranging from 3.3V - 445V and some models include power factor correction to increase efficiency and reduce power losses. All of our power supplies meet or exceed the RoHS EU and the Chinese directives and are certified with worldwide safety agencies to ensure a safe and reliable product.



## WIRE MANAGEMENT, CABLE ASSEMBLIES & INTERCONNECT DIVISION

### Cable Assemblies

We offer a wide selection of standard and custom cable assemblies, specializing in DVI, HDMI, USB and Fiber Optic and also producing flat ribbon cables, monitor cables, networking cables and an extensive offering of custom cable assemblies and wire harnesses.

### Heat Shrink Products

Heat shrinkable products include thin wall, medium and heavy wall adhesive lined, medium and high voltage insulation, molded parts and end caps, cold shrink, wide range of shrink tubing kits and heat shrinkable cable and wire identification tubing.



## INTERNATIONAL PROCUREMENT SERVICES DIVISION

### Procurement Services

With over 30 years of global business experience, Qualtek's IPS division provides a complete range of services from component sourcing to complete turnkey projects. With our extensive knowledge of the major global manufacturing regions, this enables us to have access to the newest technology, highest quality, and the most cost effective production methods.

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