

## USB 3.0 type A Male/type A Male cord

Cat. No(s): 0 398 59, 0 514 01



### 1. USE

#### Cord for data transmission

Straight USB 3.0 A - USB 3.0 A (cable with multicore cords)

### 2. DESCRIPTION

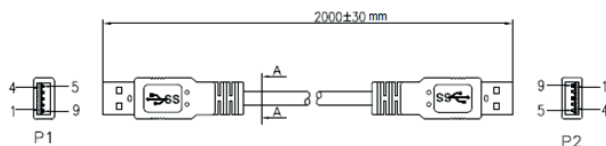
Just plug-and-play for hard drive enclosures, printers, modems, cameras, and other SuperSpeed USB peripherals. This cable provides a transfer rate of up to 4.8 Gbps when connected with a USB 3.0 compliant host and device. Foil and braid shielding reduces EMI/RFI interference and twisted pair construction helps reduce crosstalk thus ensuring SuperSpeed, error-free data transfer. Protective oversnagless connector is colour-coded blue to highlight USB 3.0 connectivity compatibility.

Connector 1: USB 3.0 Type A Male  
 Connector 2: USB 3.0 Type A Male

Please Note: USB 3.0 (4.8 Gbps) provides TEN TIMES the capability of USB 2.0 (480 Mbps); it also provides up to 900 mA power instead of the 500 mA available with USB 2.0. Type A connections are backwards compatible to USB 2.0 and even USB 1.1. Finally, while USB 2.0 cables will work with USB 3.0 devices (at the lower USB 2.0 transmission speed and power), you won't enjoy the SuperSpeed of USB 3.0 without connecting with USB 3.0 cables!

### 3. DIMENSIONS

Cat. Nos	Length (m)
0 398 59, 0 514 01	2



**Connector 1 : USB 3.0 A Male**  
**Connector 2 : USB 3.0 A Male**

### 4. PHYSICAL CHARACTERISTICS

Operating temperature	-20°C - +55°C
Storage temperature	-10°C - +40°C
Approvals	RoHS compliant

#### Cable :

Type :

UL 28AWG/1P 80°C 30V Color : white/green

UL 24AWG/2C 80°C 30V Color : red/black

UL 28AWG/2P+drain+AL-MYLAR 80°C 30V Color : yellow/blue, orange/purple

UL-E322376

Voltage rating : 30V

- Max conductor resistance at 20°C(Ohm/Km)

28AWG : 239 max

24AWG : 94.2 max

#### - 28AWG\*2P+AEM :

Impedance (Ohm) (TDR) : 90±7 intra pair skew : 15ps/m max

Insulation resistance : 100M Ohm-Km min

Insertion loss

Frequency (GHz)	0.625	1.25	2.5	5	7.5
(dB)(MAX)	1	1.5	2.5	3.6	4.7

Differential near-end crosstalk between superspeed pairs

Frequency (GHz)	0.1	2.5	3	7.5
(dB)(MAX)	-27	-27	-23	-23

Differential crosstalk between D+/D- and superspeed pairs

Frequency (GHz)	0.1	2.5	3	7.5
(dB)(MAX)	-21	-21	-15	-15

**- 28AWG\*1P+24AWG\*2C**

Impedance (Ohm) (TDR) : 90±13.5 Common (Ohm) : 30±9

Attenuation (dB/cable) (max)

freq.(MHz)	0.064	0.256	0.512	0.772	1	4	8
Attenuation	0.08	0.11	0.13	0.15	0.2	0.39	0.57

freq.(MHz)	12	24	48	96	200	400
Attenuation	0.76	0.95	1.36	1.9	3.2	5.8

Propagation delay (max) : 26ns

Propagation delay Skew : 100ps max

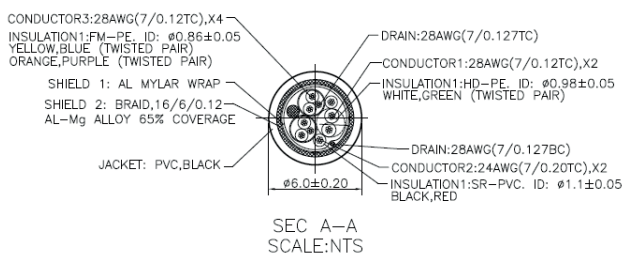
Shield type/brand coverage : 65%

Shield type /braid construction : 16/6/0.12mm

Jacket material & thickness : PVC 0.23mm min AVG

Drain wire AWG & construction : 28AWG 7/0.127mm

Minimum bend radius : 5.5mm



**Connector :**

P1&P2 :USB 3.0 A type male solder type, blue PBT insulation, gold plated 30µ contacts, gold plated on shell

All hood : molded black.