



BIT MAXX

USB3 LONG DISTANCE CABLES

CEI's USB3 BitMaxx active Plug & Play cable, supporting full 5 gig USB3 throughput and power delivery up to 20 meters with full USB2 backward compatibility. Assembly is NOT to be used in conjunction with other cables.

PART NUMBER REFERENCE: **MVB3 – X – X – X – X XM**

Select Connector Type: End "A"

- Type A, Friction Fit = 1
- Type A, w/Thumbscrews = 2

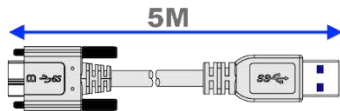
Select Cable Type:

- Extended Distance = 1
- *Available lengths: 10, 15 & 20 Meters*
- Robotic / Drag Chain = 2
- *Available length: 10Meters*

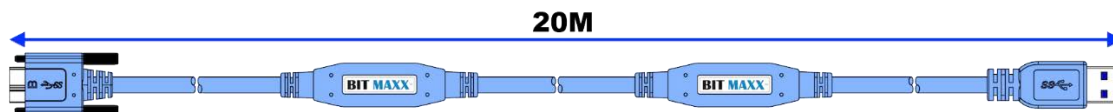
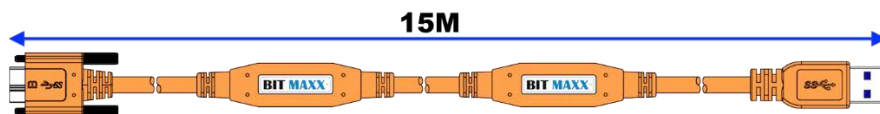
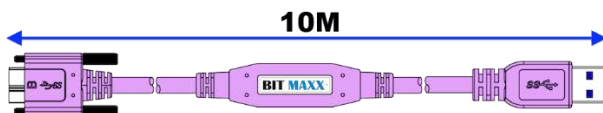
Select Connector Type: End "B"

- Type A, Friction Fit = 1
- Type A, w/Thumbscrews = 2
- Micro B, Straight w/Thumbscrews = 3
- Micro B, R/A Up w/Recessed Screws = 4
- Micro B, R/A Down w/Recessed Screws = 5
- Micro B, Exit Right w/Recessed Screws = 6
- Micro B, Exit Left w/Recessed Screws = 7
- Type B, w/Thumbscrews = 8
- Type B, Friction Fit = 9

*Length in Meters: 10, 15, 20



Standard USB3 Vision Cables
Maximum Length is 5 Meters



CEI BitMaxx™
Extended Distance
USB3 Vision Cables
Super Speed USB 3.0
Available lengths:
10M, 15M, AND 20M

Temp 8-12-19

BITMAXX

USB3 LONG DISTANCE CABLES



1

Type A
Friction Fit



2

Type A
W/Thumbscrews



3

Micro B, Straight
W/Thumbscrews



4

Micro B, R/A Up
W/Recessed Screws



5

Micro B, R/A Down
W/Recessed Screws



6

Micro B, Exit Right
W/Recessed Screws



7

Micro B, Exit Left
W/Recessed Screws



8

Type B
W/Thumbscrews



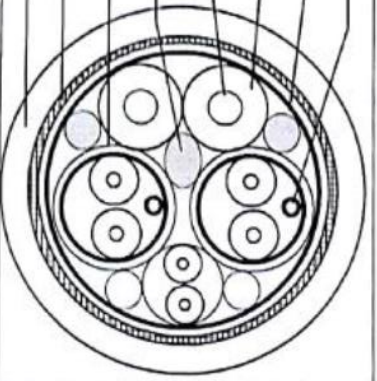
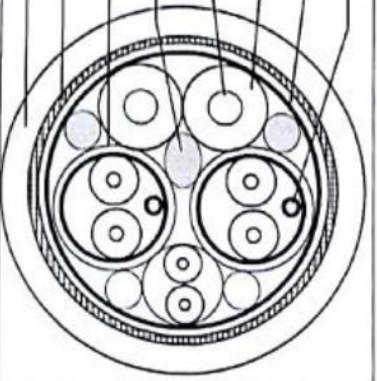

9

Type B
Friction Fit

Additional Dimensional Information:

For additional information regarding the physical dimensions of our connector profiles, please visit our Web-Site: www.Componentsexpress.com or ask one our sales associates and we will be happy to assist.

USB 3.0 BitMaxx Cable Type #: 1

SPECIFICATION:		(1P*24#+-DAM)2C-1P*26#+-2C*18#+F+AL+B / UL2725	
ITEM		SPECIFICATION	
CONDUCTOR	AWG	24AWG	18AWG
	MATERIAL	TINNED COPPER	TINNED COPPER
	COND.SIZE	7/0.20±0.008MM	43/0.16±0.008MM
INSULATION	MIN.AVG.THICK	0.35MM	0.23MM
	MATERIAL	FM-PE+SKIN	PVC
	O . D	1.35±0.10MM	1.80±0.10MM
	N.O.	IP*2	2C
DRAIN	AWG	24AWG	/
	MATERIAL	TINNED COPPER	/
	SIZE	7/0.20±0.008MM	/
Face Inside	COVERGE	100%	/
AL.MYLAR	OVERLAP	25% MIN	/
Hot-MYLAR	COVERGE	100%	/
	OVERLAP	25%MIN	/
	N.O.	(1P+DAM)2C	2C
Face Outside	COVERGE	100%	/
AL.MYLAR	OVERLAP	25% MIN	/
DRAIN	MATERIAL	/	/
	SIZE	/	/
BRAID	MATERIAL	TINNED COPPER	/
COPPER	SIZE	24*9/0.10±0.008MM (COVERAGE :85% MIN)	/
JACKET	MIN.AVG.THICK	0.50MM	/
	MATERIAL	PVC	/
	COLOUR	BLACK	/
	O . D	7.50±0.20MM	/
ELECTRICAL CHARACTERISTICS		PHYSICAL PROPERTIES OF JACKET	
USB2.0 UTP 1. Rating Temperature: 80°C ; VOLTAGE: 30V 2. Conductor Resistance: at 20°C max 24AWG: 94.2Ω/km; 18AWG: 23.2Ω/km 3. Insulation Resistance: 10MΩ/km min at 20°C dc 500V 4. Propagation Delay Skew: 100ps (Full-/High-speed only) 5. Time Delay: 5.2ns/m(max.) 6. Impedance: 90±1.5%±2 7. Attenuation(Full/High-speed only):		USB3.0 STP*2P 1. Differential Impedance: 90±7Ω 2. Intra-Pair Skew : 1.5ps /m 3. Attenuation/Insertion Loss: 1.5dB/1.5M@0.1GHz 5.0dB/1.5M@1.25GHz 7.5dB/1.5M@2.5GHz 25dB/1.5M@7.5GHz 4. Differential to common mode: 20dB/cable @ 0.1-7.5GHz 5. NEXT: 32dB@0.1GHz 32dB@2.5GHz 23dB@3.0GHz 23dB@7.5GHz	
F(MHz)	Attenuation(dB)	F(MHz)	Attenuation(dB)
0.064	0.08	24	0.95
0.356	0.11	48	1.35
0.512	0.13	96	1.90
0.772	0.15	200	3.20
1	0.20	400	5.80
4	0.39		
8	0.57		
12	0.76		
CONSTRUCTION		D.W.G	
			
COLOUR CODE:		COLOUR CODE:	
(1P*24#+DAM)2C:		1. YELLOW*BLUE 2. ORANGE*PURPLE	
IP*26#:		GREEN *WHITE	
2C*18#:		1.BLACK 2.RED	
MINIMUM BEND RADIUS: 10X O.D.		MINIMUM BEND RADIUS: 10X O.D.	
		COMPONENTS EXPRESS, INC. 10330 Argonne Woods Drive, Ste100 Woodridge, IL 60517	
(E1013), 8-12-19		(E1013), 8-12-19	
APPROVED	CUSTOMER	REV	DATE
CHECKED	CHEN	A / I	2018/5/17
DRAWING	CHEN	DATE	2018/5/17

USB 3.0 BitMaxx Cable Type #: 2

SPECIFICATION:		(1P*26#+ADBP)2C+1P*26#+1P*24#+FPB																																					
ITEM		SPECIFICATION																																					
CONDUCTOR	AWG	26AWG	24AWG																																				
	MATERIAL	TINNED COPPER	TINNED COPPER																																				
	COND.SIZE	19/0.10±0.008 mm	41/0.08±0.008 mm																																				
	MIN.AVG.THICK	0.23 mm	0.23 mm																																				
INSULATION	MATERIAL	FM-PE+SKIN	HD-PE																																				
	O . D	1.20±0.10 mm	0.95±0.05 mm																																				
	N.O.	1P*2	1P																																				
Face Outside	COVERAGE	100%	/																																				
AL..MYLAR	OVERLAP	25% MIN	/																																				
DRAIN	MATERIAL	TINNED COPPER	/																																				
	SIZE	19/0.08±0.008 mm	/																																				
BRAID	MATERIAL	TINNED COPPER	/																																				
COPPER	SIZE	16*6/0.08±0.008MM	/																																				
	COVERAGE	90%MIN	/																																				
Foamed PP film	COVERAGE	100%	/																																				
	OVERLAP	25%MIN	/																																				
	N.O.	(1P+ADBP)2C	1P																																				
Foamed PP film	COVERAGE	100%	/																																				
	OVERLAP	25% MIN	/																																				
BRAID	MATERIAL	TINNED COPPER	/																																				
COPPER	SIZE	16*10/0.08±0.008MM (Coverage : 85%MIN)	/																																				
	MIN.AVG.THICK	0.76 mm	/																																				
JACKET	MATERIAL	MIXING PVC	/																																				
	COLOUR	PURPLE	/																																				
	O . D	7.00 ± 0.30 mm	/																																				
		MINIMUM BEND RADIUS: 10X O.D.																																					
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		USB2.0 UTP 1. Rating Temperature: 80 °C ; VOLTAGE: 30V 2. Conductor Resistance: at 20°C max 26AWG: 150Ω/km. 3. Insulation Resistance: 10MΩ/km min at 20°C dc 500V 4. Propagation Delay Skew:100ps (Full-/High-speed only) 5. Time Delay: 5.2ns/m(max.) 6. Impedance: 90±15%Ω 7. Attenuation(Full/High-speed only):																																					
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