

BITMAXX



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.

alecticing

PART NUMBER REFERENCE: MVB3 - X - X - X X XM

Select Connector Type: End "A"

Type A, Friction Fit = 1

Type A, w/Thumbscrews = 2A

Type A, w/Single Thumbscrew = 2B

Select Cable Type:

Extended Distance = 1

*Available lengths: 10, 15 & 20 Meters

Robotic / Drag Chain = 2

*Available length: 10Meters

Select Connector Type: End "B"

Micro B, Straight w/Thumbscrews = 3

Micro B, R/A Up w/Recessed Screws = 4

Micro B, R/A Down w/Recessed Screws = 5

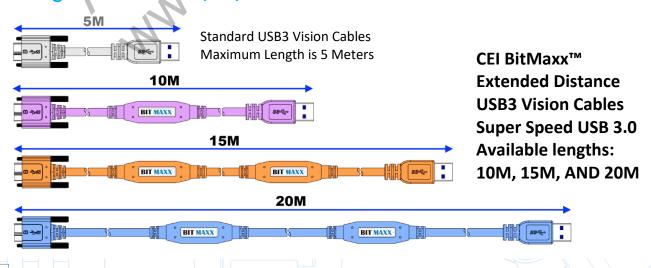
Micro B, Exit Right w/Recessed Screws = 6

Micro B, Exit Left w/Recessed Screws = 7

Type B, w/Thumbscrews = 8

Type B, Friction Fit = 9

*Length in Meters: 10, 15, 20



Temp 7-8-20



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Type A Friction Fit



Type A W/Thumbscrews



Type A W/Thumbscrew



Micro B, Straight W/Thumbscrews



Micro B, R/A Up W/Recessed Screws



Micro B, R/A Down W/Recessed Screws



n Micro B, Exit Right
'S W/Recessed Screws



Micro B, Exit Left W/Recessed Screws



Type B W/Thumbscrews



Type B Friction Fit

Temp 7-8-20

USB 3.0 BitMaxx Cable Type #: 1

		(1) =1 CONTO 11 CONTO 184-F-AL-B / CL2//23		AL-B/ CL2/23	CONSTRUCTION	CTION DWG	
=	ITEM		SPECIFICATION	NOI			1000
	AWG	24AWG	26AWG	18AWG		Jer	JACKET
CONDUCTOR	MATERIAL	TINNED COPPER	TINNED COPPER	Ė		BR	BRAID COPPER
	COND.SIZE	7/0.20±0.008MM	7/0.16±0.008MM				MYLAR
	MIN.AVG.THICK	0.35MM	0.23MM			_	
INSULATION	MATERIAL	FM-PE+SKIN	HD-PE	PVC			FILLER
	O.D	1.35±0.10MM	L.00±0.10MM	1.80±0.10MM	<		ONTHI CTOB
	NO.	1P*2	1P +	2C	>		NDCCION
	AWG	24AWG		1	000	1	INSULATION
DRAIN	MATERIAL	TINNED COPPER		1	1	+	
	SIZE	7/0.20±0.008MM		/		H H	AL.MYLAK
Face Inside	COVERAGE	%001		1		JR	DRAIN
AL.MYLAR	OVERLAP	25% MIN	9		COL	COLOUR CODE:	
Hot-MYLAR	COVERAGE	%001	2		(IP*24#+DAM)2C:		
	OVERLAP	25%MIN			1. YELLOW*BLUE	JE .	
	NO.	(IP+DAM)2C	IP dI	20	2. ORANGE*PURPLE	PLE	
Face Outside	COVERAGE		%001				
AL.MYLAR	OVERLAP		25% MIN		1P*26#: GREEN *WHITE		
DRAIN	MATERIAL)				
	SIZE		/		2C*18#: 1.BLACK 2.RED		
BRAID	MATERIAL		TINNED COPPER	IR			
COPPER	SIZE	24*9/0.10±(24*9/0.10±0.008MM (COVERAGE :85% MIN)	GE:85% MIN)	MINIMIM BEN	MINIMIM BEND BADIIIS: 10X O.	_
	MIN.AVG.THICK		0.50MM			D NATION OF	į
JACKET	MATERIAL		PVC				
	COLOUR		BLACK				
	0.D		7.50±0.20MM				
	EI PCTRICAL	EL ECTRICAL CHARACTERISTICS	Id	PHYSICAL PROPERTIES OF	3		
USB2 0 LITP		USB3.0 STP*2P		JACKET			
1. Rating Temperature: 80°C; VOL. 2. Conductor Resistance: at 20°C max 24AWG: 94.2Ω/km; 18/3. Insulation Resistance: 10MΩ/km n 4. Propagation Delay Skew:100ps (15. Time Delay: 5.2ns/m(max.)	1. Rating Temperature: 80°C; VOLTAGE: 30V 2. Conductor Resistance: at 20°C max 24AWG: 94.2GJ/km; 18AWG: 23.2GJ/km 3. Insulation Resistance: 10MGJ/km min at 20°C dc 500V 4. Propagation Delay Skew.100ps (Full-/High-speed only) 5. Time Delay. S.2ns/m(max.)	15000	ar ar	1. Tensile Strength: Unaged: 1500PSI min Aged: 70% min 2. Elongation: Unaged: 100% min Aged: 65% 3. Heat shock test:	(E1013), 8-12-19	2-19	
7. Attenuation(Full/High-speed only):	speed only	Г		NO CRACKING			
Апев	F(MHz) Attenu 24	П	SGHz 4.	4. Cold bend test: NO CRACKING	APPROVED	CUSTOMER	
0.512 0.13	200 1 20			-	CHECKED	REV	A/1
4 0 39		2348@3.0GHz 2348@7.5GHz		6. Flame test: PASS VW-1	DRAWING CHEN	DATE	2018/5/17

USB 3.0 BitMaxx Cable Type #: 2

SPECIFICATION:	TION:	(1P*26#	(1P*26#+ADBP)2C+1P*26#+1P*24#+FPB	>*24#+FPB	CONSTRUCTION	TION D.W.G	
LI	ITEM		SPECIFICATION	VIION	/	JACKET	TEL
	AWG	26AWG	26AWG	24AWG		BRAI	BRAID COPPER
CONDUCTOR	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER		-	COLLEN
	COND.SIZE	19/0.10±0.008 mm	19/0.10±0.008 mm			Foam	Foamed PP film
	MIN.AVG.THICK	0.23 mm	0.23 mm	0.23 mm		AL FOIL	OIL
INSULATION	MATERIAL	FM-PE+SKIN	HD-PE	HD-PE			!
	O. D	1.20±0.10 mm	0.90±0.05 mm	0.95±0.05 mm	<	NOO	CONDUCTOR
	NO.	1P#2	1P	1P			
Face Outside	COVERAGE	100%		/		DSC NSC	INSULATION
AL MYLAR	OVERLAP	25% MIN		,		THE THE	ER
DRAIN	MATERIAL	TINNED COPPER				DRAIN DRAIN	Z
	SIZE	19/0.08±0.008 Ⅲ					
BRAID	MATERIAL	TINNED COPPER			OTOD	COLOUR CODE:	
COPPER	SIZE	16*6/0.08±0.008MM	V +/		(IP*26#+ADBP)*2C.		
	COVERAGE	90%MIN			1. YELLOW * BLUE	E	
Foamed PP film COVERAGE	COVERAGE	100%	2	<i>A</i> ()	2. ORANGE * PURPLE	PLE	
	OVERLAP	25%MIN					
	NO.	(1P+ADBP)2C	1P	119	1P*26#: 1.GREEN *WHITE		
Foamed PP film COVERAGE	COVERAGE		100%				
	OVERLAP		25% MIN		IP*24#: I. BLACK RED		
BRAID	MATERIAL		TINNED COPPER)ER			
COPPER	SIZE		$16*10/0.08\pm0.0$	16*10/0.08±0.008MIM (Coverage: 85%MIN)	MINIMIM BEND	MINIMIM BEND BADILIS: 10X O D	
	MIN.AVG.THICK		0.76 mm		WINIMOM DEND	AND SOLON OF	
JACKET	MATERIAL		MIXING PVC		(>)		(0)
	COLOUR		PURPLE		\cdot\(\frac{1}{2}\)		
217	O. D		7.00 ± 0.30 mm	•			
					5		
	ELECTRICAL	ELECTRICAL CHARACTERISTICS	SC	PHYSICAL PROPERTIES OF			
USB2.0 UTP		USB3.	USB3.0 STP*2P	JACKET			
1. Rating Temperature: 80°C: VOI 2. Conductor Resistance: at 20°C max 26AWC: 156Ω/km; 3. Insulation Resistance: 10MΩ/km m 4. Propagation Delay Skew.100ps (5 Time Delay: 5.2ns/m(max) 6. Impedance: 90±15%Ω 7. Attenuation(Full/High speed only);	Ranng Temperature: 80°C: VOLTAGE: 30V Conductor Resistance: at 20°C max 26AWG: 1590Nkm; Insulation Resistance: 10MΩ/km min at 20°C dc 500V Propagation Delay Skew.100ps (Full-High-speed only) Time Delay: 5.2ns/m(max.) Impedance: 90-1.5%Ω Attenuation(Full/High-speed only):		1. Differential Impedance:90±7Ω 2. Intra-Pair Skew: 15ps /m 3. Attenuation/Insertion Loss: 1. 5dB@0.1GHz 5.0dB@1.25GHz 7.5dB@2.5GHz 2.5dB@7.5GHz		YS2018111302, 8-12-19	02, 8-12-19	
F(MHz Attenuation(dB)	dB) F(MHz) Attenuation(dB)	124	20dB/cable @ 0.1-7.5GHz		APPROVED	CUSTOMER	
0.064 0.08	24 0095				CHECKED	REV	A / 1
0.772 1 0.20 4 0.30 8 0.57	200 320				DRAWING CHEN	DATE	2018/11/13
12 0.76							