

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.

PART NUMBER REFERENCE: MVB3 - X - X - X X X M

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

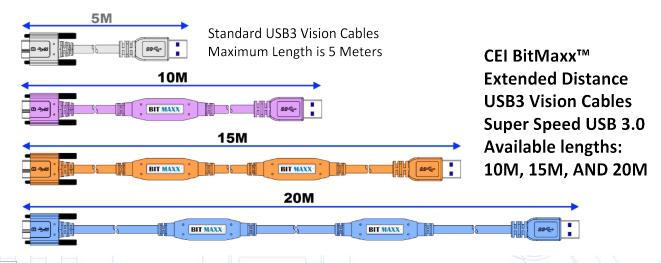
Micro B, Exit Right w/Recessed Screws = 6

Micro B, Exit Left w/Recessed Screws = 7

Type B, w/Thumbscrews = 8

Type B, Friction Fit = 9

*Length in Meters: 10, 15, 15



Temp 7-31-19



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Type A W/Thumbscrews



Micro B, Straight W/Thumbscrews



Micro B, R/A Up W/Recessed Screws

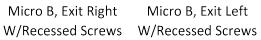


Micro B, R/A Down W/Recessed Screws

6









Type B W/Thumbscrews



Type B Friction Fit

USB 3.0 BitMaxx Cable Type #: 1

SPECIFICATION:		(1P*24#+DAM)2C+1P*26#	26#+7C*18#+F+	+2(*18#+F+AI +B / I :1 2225			
	ITEM		SPECIFICATION	N.	CONSTRUCTION	D.W.	
	AWG	24AWG	26AWG	18AWG		JACKET	
CONDUCTOR	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER		BRAID(BRAID COPPER
	COND.SIZE	_	7/0.16±0.008MM	43/0.16±0.008MM		MYLAR	
	MIN.AVG.THICK	_	0.23MM	0.23MM			
INSULATION	MATERIAL	FM-PE+SKIN	HD-PE	PVC		FILLER	
	0.D	1.35±0.10MM	1.00±0.10MM	1.80±0.10MM	<	CONDICTOR	CTOP
	NO.	1P*2	1P	2C	\rangle		401
	AWG	24AWG	-	_	# 000 D	INSULATION	VOLL
DRAIN	MATERIAL	TINNED COPPER	/	_	1	N MAN 18	
	SIZE	7/0.20±0.008MM	/			ALMIT	25
Face Inside	COVERAGE	100%	1	_		DRAIN DRAIN	
AL.MYLAR	OVERLAP	25% MIN	/	_	COLOI	COLOUR CODE:	
Hot-MYLAR	COVERAGE	%001	_	_	(1P*24#+DAM)2C:		
	OVERLAP	25%MIN			1. YELLOW*BLUE		
	NO.	(IP+DAM)2C	IP	2C	2. ORANGE*PURPLE	LE	
Face Outside	COVERAGE		100%				
AL.MYLAR	OVERLAP		25% MIN		IP*26#: GREEN *WHITE		
DRAIN	MATERIAL		_				
	SIZE		/		2C*18#: 1.BLACK 2.RED		_
BRAID	MATERIAL		TINNED COPPER				
COPPER	SIZE	24*9/0.10±0.	24*9/0.10±0.008MM (COVERAGE :85% MIN)	:85% MIN)			
	MIN.AVG.THICK		0.50MM				
JACKET	MATERIAL		PVC				
	COLOUR		BLACK				
	0.D		7.50±0.20MM				
					COMP	COMPONENTS EXPRESS, INC.	, INC.
	ELECTRICAL	ELECTRICAL CHARACTERISTICS	PHV	PHYSICAL PROPERTIES OF	10330 4	10330 Argonne Woods Drive, Ste100	te100
USB2,0 UTP				KET	Woodrid	Woodridge, IL 60517	
1. Rating Temperature: 80°C; VOL	ITE: 80°C; VOLTAGE: 30V	1. Differential Impedance:90±7Ω	1 στ±	1. Tensile Strength: Unaged:			
24AWG: 94.2Ω/km;	4.20/km; 18AWG: 23.20/km			1500PSI min Aged: 70% min			
Insulation Resistar Propagation Delay	Insulation Resistance: 10MD/km min at 20°C dc 500V Propagation Delay Skew:100ns (Full-/High-speed only)			2. Elongation: Unaged:	(F1013)		
5. Time Delay: 5.2ns/m(max.)	/m(max.)		717		()		
7. Attenuation(Full/High-speed only):	ligh-speed only):		n mode.	NO CRACKING			
	F(MHz) Attenus	· ·	न	4. Cold bend test:	APPROVED	CUSTOMER	奕樹
0.556 0.13	96 190	324B@0.IGHz		5. Deformation test: MAX 50%	CHECKED	REV	A/1
1 0 20 4 0 39 8 0 39	400	2348@3.0GHz		6. Flame test: PASS VW-1	DRAWING CHEN	DATE 20	2018/5/17
12 0.76							

USB 3.0 BitMaxx Cable Type #: 2

THE NA	SPECIFICATION:	TION:	(1P*26#+AD	(1P*26#+ADBP)2C+1P*26#+1P*24#+FPB	24#+FPB	CONSTRUCTION	ION D.W.G	
COPPER	LI	EM		SPECIFICA	TION		JACKET	
COPPER		AWG	26AWG	26AWG	24AWG	THE REAL PROPERTY OF THE PARTY	BRAID COPPER	PER
19/0.10±0.008 mm	CONDUCTOR	MATERIAL	TINNED COPPER	TINNED COPPER	TINNED COPPER			í
COPPER 0.23 mm 0.23 mm 0.23 mm 1		COND.SIZE	19/0.10±0.008 mm	19/0.10±0.008 mm	41/0.08±0.008 mm		Foamed PP film	ilm
HD-PE		MIN.AVG.THICK	0.23 mm	0.23 mm	0.23 mm		AI FOIL	
1P	INSULATION	MATERIAL	FM-PE+SKIN	HD-PE	HD-PE			
1P 1P 1P 1P 1P 1P 1P 1P		0 · D	1.20±0.10 mm	0.90±0.05 mm	0.95±0.05 mm		CONDUCTOR	OR
COPPER		NO.	1P*2	IP	1P			
COPPER	Face Outside	COVERAGE	100%	-			/ INSULATION	Z
COPPER C	AL.MYLAR	OVERLAP	25% MIN	1	/			
COPPER	DRAIN	MATERIAL	TINNED COPPER				NAM	
COPPER		SIZE	19/0.08±0.008				MANIA	
1	BRAID	MATERIAL	TINNED COPPER	1	/	COLOUR CODE:	CODE:	
1	COPPER	SIZE	16*6/0.08±0.008MM	-	/	(1P*26#+ADBP)*2C:		
1		COVERAGE	MIW%06	/	/	1. YELLOW * BLUE		
1	Foamed PP film	COVERAGE	100%	/	/	2. ORANGE * PURPLE	E	
1P		OVERLAP	25%MIN	1	/			
100% 100% 100% 15% MIN TINNED COPPER 16*10/0.08±0.008MM (Coverage : 85%MIN) 0.76 mm MIXING PVC PURPLE 7.00 ± 0.30 mm 7.00 ± 0.30 mm 7.00 ± 0.30 mm 1.0 differential Impedance:90±70 1.0 differential Impedance:90±70 1.5dB@0.1GHz 2.5dB@1.25GHz 2.5dB@1.5GHz 2.5dB@1.5GHz 4. Differential to common mode: 2.5dB@1.5GHz 4. Differential to common mode: 2.5dB@1.5GHz 2.5dB@1.5GHz 2.5dB@1.5GHz 3.5dB@1.5GHz 4. Differential to common mode: 2.5dB@1.5GHz 4. Differential to common mode: 2.5dB@1.		NO.	(1P+ADBP)2C	1P	1P	1P*26#: 1.GREEN *WHITE		
TINNED COPPER 16*10/0.08±0.008MM (Coverage : 85%MIN) 0.76 mm MIXING PVC PURPLE 7.00 ± 0.30 mm ACKET 1.0ifferential Impedance:90±7Q 1.Differential Impedance:90±7Q 1.Differential Impedance:90±7Q 2. Inta-Pair Skew : 15ps /m 3. Attenuation/lineation Loss:	Foamed PP film	COVERAGE		100%				
TINNED COPPER 16*10*0.08±0.008MM (Coverage: 85%MIN) 0.76 mm		OVERLAP		25% MIN		1P*24#: 1. BLACK RED		
16*10*0.08±0.008MM (Coverage : 85%MN) 0.76 mm	BRAID	MATERIAL		TINNED COPPE	R			
0.76 mm MIXING PVC PURPLE 7.00 ± 0.30 mm 7.00 ± 0.30 mm 1.0ifferential Impedance:90±7Ω 2. Intra-Pai Skew: 15ps /m 3. Attenuation/Insertion Loss: 1.5dB@0.1GHz 5.0dB@1.25GHz 7.5dB@2.5GHz 2.5dB@7.5GHz 4. Differential to common mode: 2.0dB/cable @ 0.1−7.5GHz CHEC	COPPER	SIZE		16*10/0.08±0.00	8MM (Coverage: 85%MIN)			
MIXING PVC		MIN.AVG.THICK		0.76 mm				
TERISTICS T.00 ± 0.30 IIIII TERISTICS USB3.0 STP*2P USB3.0 STP*2P USB3.0 STP*2P USB3.0 STP*2P USB3.0 STP*2P JACKET L. Differential Impedance:90±7.0 2. Intra-Pair Skew: 15ps /m 3. Attenuation. Loss: 1. 5d8@0.1GHz 5.0d8@1.25GHz 2.5d8@7.5GHz 4. Differential to common mode: 2.0d8/cable @ 0.1−7.5GHz PRAW	JACKET	MATERIAL		MIXING PVC				
TERISTICS TUSB3.0 STP*2P 1. Differential Impedance:90±7Ω 2. Intra Pair Skew: 15ps/m 3. Attenuation/Insertion Loss: 1.5dB@0.1GHz 5.0dB@1.25GHz 2.5dB@7.5GHz 4. Differential to common mode: 2.0dB/cable @ 0.1−7.5GHz PHYSICAL PROPERTIES OF 1.AdB@0.1GHz 5.0dB@0.1GHz 2.5dB@0.1GHz 2.5dB@0.1GHz 4. Differential to common mode: 2.0dB/cable @ 0.1−7.5GHz PRAW		COLOUR		PURPLE				
USB3.0 STP*2P JACKET		O.D		7.00 ± 0.30 mm			וו סטומטין סדורווי	9
TERISTICS USB3.0 STP*2P USB3.0 STP*2P UDifferential Impedance:90±79 1. Differential Impedance:90±79 2. Intra-Par Skew : 15ps /m 3. Attenuation/Insertion Loss: 1.5dB@0.1GHz 5.0dB@1.25GHz 7.5dB@2.5GHz 2.5dB@7.5GHz 4. Differential to common mode: 2.0dB/cable @ 0.1-7.5GHz CHECI						COMPO	COMPONENTS EXPRESS, INC.	ن
1. Differential Impedance:90±7.9. 2. Intra-Pair Skew: 15ps /m 3. Attenuation/Insertion Loss: 1.5dB@0.1GHz 5.odB@1.25GHz 7.5dB@2.5GHz 7.5dB@7.5GHz 4. Differential to common mode: 2.odB/cable @ 0.1-7.5GHz CHEC		ELECTRICAL	CHARACTERISTICS	I	PHYSICAL PROPERTIES OF	10330 Arg	10330 Argonne Woods Drive, Ste100	00
1. Differential Impedance:90±7,2 2. Intra-Pair Skew: 15ps/m 3. Attenuation/Insertion Loss: 1. 5dB@0.1GHz 5.0dB@1.25GHz 7.5dB@7.5GHz 4. Differential to common mode: 2.0dB/cable @ 0.1-7.5GHz PPRC	USB2.0 UTP				JACKET	Woodridge	Woodridge, IL 60517	
3. Attenuation Loss: 1.5d8@0.1GHz 5.0d8@1.25GHz 2.5d8@7.5GHz 4. Differential to common mode: 2.0d8/cable @ 0.1-7.5GHz CHEC	Rating Temperatur Conductor Resistan	e: 80°C : VOLTAGE: 3	0.	1 Impedance:90±7.Ω				
1.5dB@0.1GHz 5.0dB@1.25GHz 7.5dB@2.5GHz 25dB@7.5GHz 4. Differential to common mode: 20dB/cable @ 0.1-7.5GHz CHEC	26AWG: 1:	50£7/km;		Martin Loss.		ı		
2.5dB@2.5GHz 2.5dB@7.5GHz 4. Differential to common mode: 2.0dB/cable @ 0.1-7.5GHz CHEC	3. Insulation Resistan 4. Propagation Delay	Skew:100m/km min at 20°C Skew:100ps (Full-/High		IGHz		YS2018111302	2	
Atternation(dB) 2.0dB/cable @ 0.1-7.5GHz APPROVED 2.0dB/cable @ 0.1-7.5GHz CHECKED 1.35 1.30 5.80 DRAWING	5. Time Delay: 5.2ns 6. Impedance: 90±159 7. Attenuation(Full/H:	m(max.) %Ω igh-speed only):		SGHz GHz				
APPROVED COMB 24 0.95 COMB 24 0.95 CHECKED CHE	FOMEZ Amenumion	dB) F(MHz) Attenuation	4	to common mode:				
0.08 24 0.95 0.11 48 1.35 0.13 96 1.90 0.15 200 3.20 0.20 400 5.80 0.30 0.30 0.30 0.30				e @ 0.1-7.5GHz			CUSTOMER	外極
0.13 96 1.50 0.15 200 3.20 0.20 400 5.80 0.39 0.57							REV	A / 1
0.20 400 5.80 0.39 0.39 0.35								
\$ 0.57		400 5.80				CHEN	DATE 2018	2018/11/13
10 0%	13 0.57							