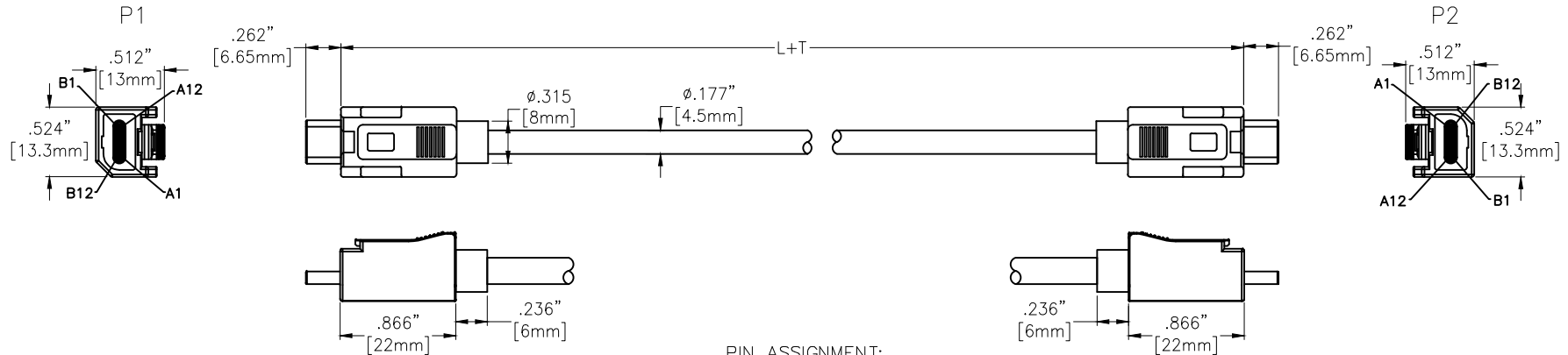


APPROVED: _____

DATE: _____ TITLE: _____

CUSTOM CABLE ASSEMBLIES ARE
NON-CANCELLABLE/NON-RETURNABLE

Rev	AWO #	Description	Date	Appr
-		RELEASED	3/26/24	
A		UPDATE SPEC.	8/22/24	LH/RC
B		UPDATE SPEC.	10/22/24	WY/AC1



PIN ASSIGNMENT:

P1 Type C Male			P2 Type C Male		
Signal Name	Pin	WIRE	Pin	Signal Name	
GND	A1/B1/A12/B12	Black	A1/B1/A12/B12	GND	
VBUS	A4/B4/A9/B9	Red	A4/B4/A9/B9	VBUS	
CC	A5	Blue	A5	CC	
Vconn	B5	Not connect	B5	Vconn	
DP1	A6	Green	A6	DP1	
DN1	A7	White	A7	DN1	
SSTXp1	A2	High speed pair 1	B11	SSRXp1	
SSTXn1	A3		B10	SSRXn1	
SSRXp1	B11	High speed pair 2	A2	SSTXp1	
SSRXn1	B10		A3	SSTXn1	
SSTXp2	B2	High speed pair 3	A11	SSRXp2	
SSTXn2	B3		A10	SSRXn2	
SSRXp2	A11	High speed pair 4	B2	SSTXp2	
SSRXn2	A10		B3	SSTXn2	
SBU1	A8	Purple	B8	SBU2	
SBU2	B8	Orange	A8	SBU1	
	SHELL	Braid		SHELL	

ADAM TECH P/N	L+T	
CA-USB31-CMLX-CMLX-1M	39.370"±1.181"	[1000±30mm]
CA-USB31-CMLX-CMLX-2M	78.740"±1.575"	[2000±40mm]
CA-USB31-CMLX-CMLX-3M	118.110"±1.969"	[3000±50mm]
CA-USB31-CMLX-CMLX-XM	Contact factory for custom lengths	

SPECIFICATIONS:

Connectors:

P1= USB3.1 Connector Type-C Plug, W/Shell, Pin: Gold plated, W/Latching, rated UL 94V-0
Code: See page2, Insulator Color: Black, Outer molded Color: Black, PVC 45P,
With IC, Mating with USB-C40-S-RA-CS5A-X-EH-BK

P2= USB3.1 Connector Type-C Plug, W/Shell, Pin: Gold plated, W/Latching, rated UL 94V-0
Code: See page2, Insulator Color: Black, Outer molded Color: Black, PVC 45P,
Without IC, Mating with USB-C40-S-RA-CS5A-X-EH-BK

Cable:

UL20276 (32AWG*1P+AL+MY)*4+32AWG*1P+32AWG*4C+24AWG*2C+A+B VW-1

O.D.: .197" [5mm], Jacket Color: Black. PVC

Electrical:

Voltage rating: 20V

Current rating: 5A

Contact resistance: 2 mohms max

Insulation resistance: 5 Mohms min, DC100V

Mechanical:

Cable retention force: 100g downward vertical at 60CM; 40N for 1 minute

Electrical Test:

All assemblies must be 100% tested for shorts, open continuity and physical appearance.

Environmental:

Lead free, RoHS compliant.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

INCHES		HOLES	
.X	±.10	Ø.X	±.10
.XX	±.020	Ø.XX	±.015
.XXX	±.015	Ø.XXX	±.010



909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

DRAWN	WX	3/26/24
CHECKED	KC	3/26/24
APPROVED		

TITLE (HSecurLinC) CABLE, USB3.1 CONNECTOR TYPE-C PLUG TO USB3.1 CONNECTOR TYPE-C PLUG, W/LATCHING TRANSMISSION EFFICIENCY: 5G

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH

SIZE	PART NO.	REV.
X	CA-USB31-CMLX-CMLX-XM	B

REF: S00197C	SCALE: NTS	SHEET 1 OF 2
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APPROVED: _____

DATE: _____ TITLE: _____

CUSTOM CABLE ASSEMBLIES ARE
NON-CANCELLABLE/NON-RETURNABLE

CA-USB31-CMLX-CMLX-XM
(Code see chat)

CODE	RECEPTACLE	CASE COLOR
A		JET BLACK
C		NUT BROWN
E		SIGNAL BLUE
G		BLUE GRAY
J		BEIGE

CODE	RECEPTACLE	CASE COLOR
B		CLARET VIOLET
D		LEAF GREEN
F		CREAM WHITE
H		YELLOW GREEN
K		CURRY

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

INCHES	HOLES
.X ± .10	Ø.X ± .10
.XX ± .020	Ø.XX ± .015
.XXX ± .015	Ø.XXX ± .010

ADAM TECH

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Fax: 908-687-5710

DRAWN	WX	3/26/24
CHECKED	KC	3/26/24
APPROVED		

TITLE (HSecurLinC) CABLE, USB3.1 CONNECTOR TYPE-C PLUG TO USB3.1 CONNECTOR TYPE-C PLUG, W/LATCHING TRANSMISSION EFFICIENCY: 5G

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH

SIZE	PART NO.	REV.
X	CA-USB31-CMLX-CMLX-XM	B
REF:	S00197C	SCALE: NTS
		SHEET 2 OF 2