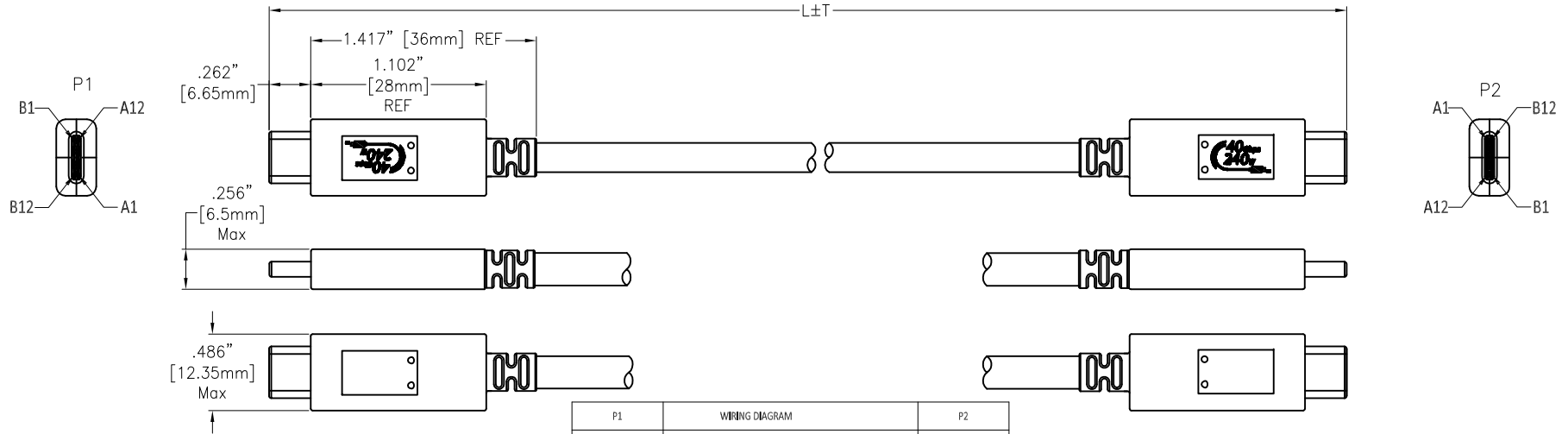


APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	4/12/23	
A		ADDED PAGE 2 CABLE SPEC.	8/7/23	LH/RC



CONDUCTOR COMPONENT
 A-4P×29AWG: Clear*Clear Blue Mylar Color: 1. Clear 2. Red 3. Blue 4. Green
 B-1 P×32AWG: 5. White*Green
 C-1 C×32AWG+AL: 6. Blue
 D-3 C×32AWG 7. Purple 8. Yellow 9. Pink
 E-1 C×23AWG: 10. Red

P1		WIRING DIAGRAM				P2	
USB C PLUG		WIRE				USB C PLUG	
PIN	SIGNAL NAME	WIRE NUMBER	CONDUCTOR COMPONENT	SIGNAL NAME	WIRE COLOR	PIN	SIGNAL NAME
A1, B1 A12, B12	GND	1	DRAIN-BRAID	GND_PWRt1 [GND_PWRt2]	SDP1+SDP2 SDP3+SDP4 DRAIN	A1, B1 A12, B12	GND
A4, B4 A9, B9	VBUS	2	COMPONENT E	PWR_VBUS1 [PWR_VBUS2]	RED	A4, B4 A9, B9	VBUS
A5	CC	3	COMPONENT C	CC	BLUE	A5	CC
B5	VCONN	18	COMPONENT D	PWR_VCONN	YELLOW	B5	VCONN
A6	Dp1	4	COMPONENT B	UTP_Dp	GREEN	A6	Dp1
A7	Dn1	5		UTP_Dn	WHITE	A7	Dn1
A2	SSTXp1	6	COMPONENT A	SDPp1	RED (BLUE)	B11	SSRXp1
A3	SSTXn1	7		SDPn1	RED (WHITE)	B10	SSRXn1
B11	SSRXp1	8		SDPp2	BLUE (WHITE)	A2	SSTXp1
B10	SSRXn1	9		SDPn2	BLUE (BLUE)	A3	SSTXn1
B2	SSTXp2	10	SDPp3	GREEN (BLUE)	A11	SSRXp2	
B3	SSTXn2	11	SDPn3	GREEN (WHITE)	A10	SSRXn2	
A11	SSRXp2	12	SDPp4	SILVER (WHITE)	B2	SSTXp2	
A10	SSRXn2	13	SDPn4	SILVER (BLUE)	B3	SSTXn2	
A8	SBU1	14	COMPONENT D	SBU_A	VIOLET	B8	SBU2
B8	SBU2	15		SBU_B	PINK	A8	SBU1
SHELL	SHELL	BRAID		SHELL	BRAID	SHELL	SHELL

ADAM TECH P/N	DIM "L±T"
CA-USB4-CM/CM-1M-A1	39.370"±1.969" [1000±50mm]

SPECIFICATIONS:

Connector:
 P1&P2= USB C Plug 4.0, Insulator Color: Black, Contact: 30u" Gold plated, W/Extruded shell
 Overmold Color: Black, TPE

Cable:
 USB4.0 Cable, #29TP/32/23 ADB, O.D.: .213" [5.4mm], Jacket color: TPE, Black
 Electrical:

Voltage rating: 150 VDC
 Contact resistance: 5 ohms max
 Insulation resistance: 2 Mohms min
 Voltage drop: VBUS=500mV Max, GND=250mV

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

DRAWN	WX	4/12/23
CHECKED	RC	4/12/23
APPROVED		

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



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

TITLE: CABLE ASSEMBLY, CABLE USB4.0 #29TP/32/23
 USB C 4.0 PLUG TO USB 4.0 C PLUG, O.D.: .213" [5.4MM]
 USB4 40GBPS (TWISTED PAIR, 29 AWG)

SIZE	PART NO.	REV.
X	CA-USB4-CM/CM-XXM-A1	A
REF:	S00013T	SCALE: NTS
		SHEET 1 OF 2

APPROVED: _____

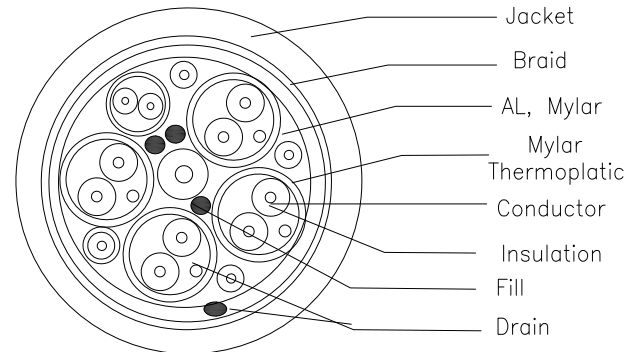
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
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SEE SHT 1 OF 2 FOR REVISION

SPECIFICATION		(1P*29#+DAM)*4C +(1P*32#+AM) +1C*23#+(1C*32#+AL)+3C*32#+ ADB /UL 21104				
ITEM	SPECIFICATION					
CONDUCTOR	A WG	29AWG	32 AWG	23 AWG		
	MATERIAL	BC	BC	TC+NYLON		
	COND.SIZE	1/0.30±0.01 mm	7/0.08±0.008 mm	18/0.05±0.008 mm	52/0.08±0.008mm	
INSULATION	MIN.AVG.THICK	0.25 mm	0.15 mm	0.10mm		
	MATERIAL	PE	PE	PP	PP	
	O . D	0.88 ± 0.08 mm	0.58 ± 0.08 mm	0.45±0.08mm		
COVERING	N O.	1P*4	1P	1C	3C	
	MATERIAL	/	/	/	/	
DRAIN	A WG	30AWG	/	/	/	
	SIZE	1/0.254±0.01 mm	/	/	/	
Face Outside AL.Mylar	COVERAGE	100%	100%	100%	/	
	OVERLAP	25% MIN	25% MIN	25% MIN	/	
Mylar THERMOPLASTIC	COVERAGE	100%	100%	/	/	
	OVERLAP	25% MIN	25% MIN	/	/	
Face Outside AL.MYLAR	COVERAGE		100%			
	OVERLAP		25% MIN			
DRAIN	MATERIAL		TC			
	SIZE		7/0.10±0.008 mm			
BRAID	MATERIAL		TC			
	Coverage		≥85%			
	SIZE		16×13 /0.08±0.008mm			
JACKET	MIN.AVG.THICK		0.40mm			
	MATERIAL		TPE			
	COLOUR		BLACK			
	O . D		5.4 (+/- 0.20)mm			
ELECTRICAL CHARACTERISTICS			PHYSICAL PROPERTIES OF JACKET			
1. Rating: TEMP 80℃ ; VOLTAGE 30V 2. Conductor Resistance: at 20℃ MAX 23AWG:80Ω/km 29AWG:275Ω/km, 32 AWG:588.85Ω/km, 3. Insulation Resistance: 10MΩ-km min at 20℃ dc 500V.(EIA-364-21) 4. Dielectric Strength AC 500V/1minute no breakdown. (EIA-364-20) 5. Impedance: Pairs(differential mode) 90±5 Ω Length for USB4 GEN 3 test 1 Meter			1. Flexibility test: NO CRACKING 2. Flame test: PASS			

CONSTRUCTION D.W.G



COLOUR CODE:

4P×29AWG: Clear*Clear Blue Mylar Color: 1. Clear 2. Red 3. Blue 4. Green
 1 P×32AWG: 5. White*Green
 1 C×32AWG+AL: 6. Blue
 3 C×32AWG 7. Purple 8. Yellow 9. Pink
 1 C×23AWG: 10. Red

MARKING

NO MARKING

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

DRAWN	WX	4/12/23
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X	CA-USB4-CM/CM-XXM-A1	A

REF: S00013T SCALE: NTS SHEET 2 OF 2