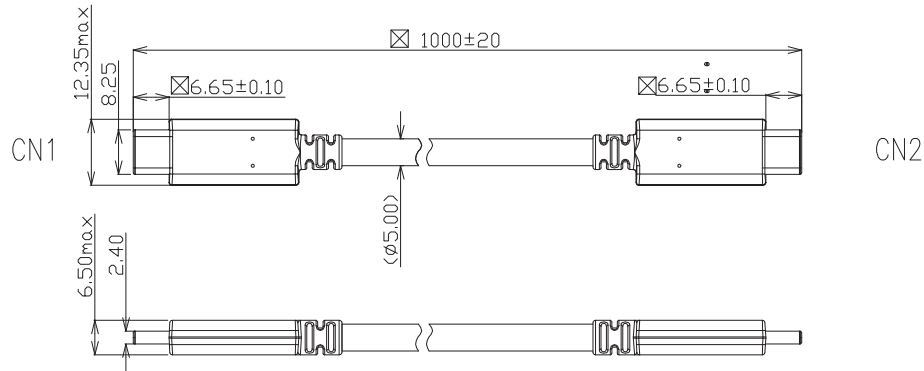


REV	DESCRIPTION	DATE
A	Initial Release	14'.09.01



FEATURE

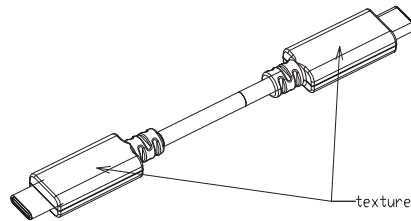
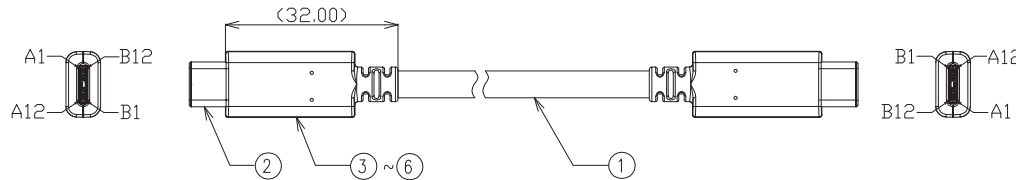
- THIS IS USB TYPE C PLUG TO TYPE C PLUG FULL FEATURE CABLE ASSEMBLY.
- THIS CABLE IS DESIGNED TO COMPLY WITH USB TYPE C SPECIFICATION REVISION 1.0.
- ELECTRICAL FOR CABLE
 - CONDUCTOR RESISTANCE: 5Ω MAX AT 20°C FOR CABLE AREA.
 - INSULATION RESISTANCE: 500VDC 20MΩ MIN FOR 10mS
 - DIELECTRIC STRENGTH: 100VAC FOR 1.0mA 3S
- GREEN ENVIRONMENT PROTECTION: ALL PARTS ARE THE MICRO POLLUTANT.
- SYMBOL DESCRIPTION:

☒ MAJOR DIMENSION x 3	④ MATERIAL
■ CPK DIMENSION x 0	△ REVISION
⑨ DIMENSION NUMBER	() REFERENCE

PIN ASSIGNMENT

CN1 (Type C Plug 1)			WIRE		CN2 (Type C Plug 2)		
Pin	Signal Name	Wire No.	Signal Name	Pin	Signal Name		
A1,B1,A12,B12	GND	1 [16]	GND_PWR#1 [GND_PWR#2]	A1,B1,A12,B12	GND		
A4,B4,A9,B9	Vbus	2 [17]	PWR_Vbus1 [PWR_Vbus2]	A4,B4,A9,B9	Vbus		
A5	CC	3	CC	A5	CC		
B5	VCONN	18	PWR_Vconn (See section4.9)	B5	VCONN		
A6	Dp1	4	UTP_Dp	A6	Dp1		
A7	Dn1	5	UTP_Dn	A7	Dn1		
A2	SSTXp1	6	SDPp1	B11	SSRXp1		
A3	SSTXn1	7	SDPn1	B10	SSRXn1		
B11	SSRXp1	8	SDPp2	A2	SSTXp1		
B10	SSRXn1	9	SDPn2	A3	SSTXn1		
B2	SSTXp2	10	SDPp3	A11	SSRXp2		
B3	SSTXn2	11	SDPn3	A10	SSRXn2		
A11	SSRXp2	12	SDPp4	B2	SSTXp2		
A10	SSRXn2	13	SDPn4	B3	SSTXn2		
A8	SBU1	14	SBU_A	B8	SBU2		
B8	SBU2	15	SBU_B	A8	SBU1		
SHELL	Shield	Braid	Shield	SHELL	Shield		

NOTES:
 1. This table is based on the assumption that coaxial wire construction is used for all SDP's and there are no drain wires. The shields of the coaxial wires are connected to the ground pins. If shielded twisted pair is used, then drain wires are needed and shall be connected to the GND pins.
 2. Pin B5 (VCONN) of the USB Type-C plug shall be used in electronically marked versions of this cable. See Section 4.9.
 3. Contacts B6 and B7 should not be present in the USB Type-C plug.
 4. All VBUS pins shall be connected together within the USB Type-C plug. A 10 nF bypass capacitor (minimum voltage rating of 30 V) is required for the VBUS pin in the full-featured cable at each end of the cable. The bypass capacitor should be placed as close as possible to the power supply pad.
 5. All GND pins shall be connected together within the USB Type-C plug.



ITEM	MATERIAL/DESCRIPTION	DIM	QTY
6	PVC 45P BLACK UL94V-0	TBD	2
5	YUSHUNRONG HD-PE HF	TBD	2
4	Cap 10nF±10% 30V 0402	/	2
3	USB TYPE C PCB FR-4 T0.8mm 4 Layout,Cu T=1 Oz,	/	2
2	USB TYPE C PLUG(* Seamless drawn shell.)+Up Shell&Down Shell.	/	2
1	UCABLE USB3.1 32#Coax*8C +34#*1P+34#*3C+30#*2C+22#*1C, JACK Black, 3A	1000	1

GENERAL TOLERANCE	ANGLE TOLERANCE
<30 ±1	±2.0°
>30~50±1.5	
>50~100±2	
>100 ±3	

PANSTRONG COMPANY LTD.	DRAWN BY		TOMMY	
	CHECKED			
TITLE:	USB 3.1 Gen1 Type C to Type C Cable Assembly L=1M 3A			
PART NO:	CB31-0103DSKCX-1M			
SCALE	1:1	REV	A	
UNIT	mm			