

Drawing and dimensions

REVISIONS		
Rev.	DESCRIPTION	DATE
A	Initial Release	24 Jan, 2019
B	Changed cable jacket to medical grade pvc	08 May, 2019

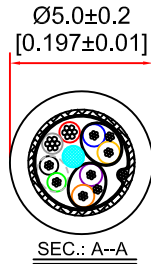
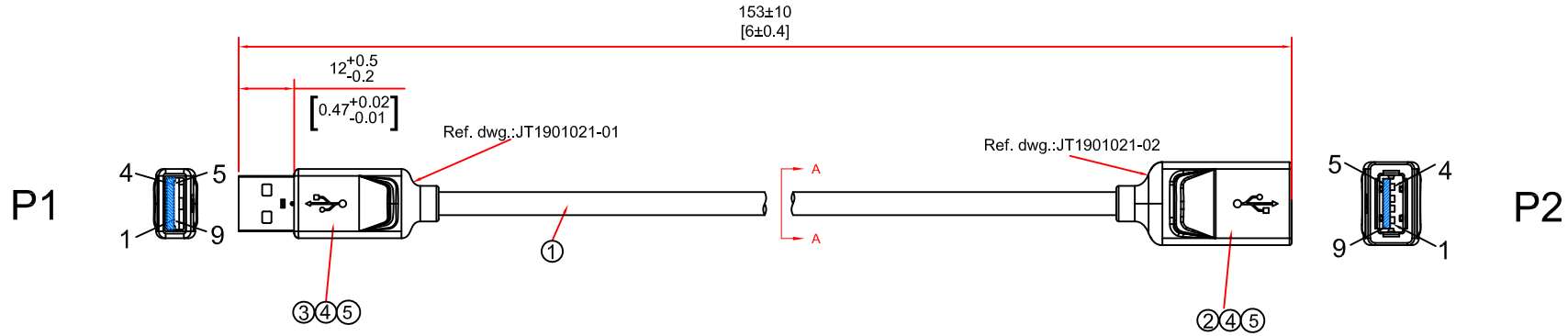
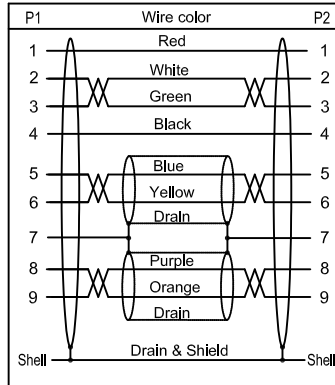
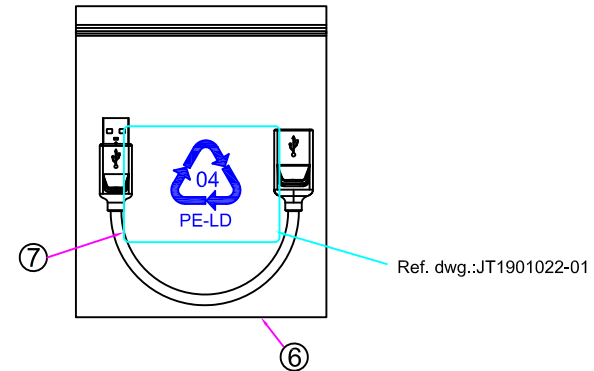


Table2. Wiring diagram:



Packing:

1 pc per zip bag



ELECTRICAL CHARACTERISTICS:

- Contact resistance: <math><1\Omega</math>
- Insulation resistance: 300V/DC, >50M Ω
- All cable assemblies to be 100% tested for continuity, short & miswire.

NOTES:

- All the materials used to RoHS Directive 2011/65/EU and amendment 2015/863/EU.

Table 1. Bill of Materials

⑦	1.PM.LB.104	Label, 102*76mm	1pc
⑥	1.PM.B.026	Zip PE Bag, 150*120mm	1pc
⑤	1.PT.PVC.0096	Over-mold:PVC,Color: White(WH731)	A/R
④	1.PT.PP.02	Inner-mold:PP,Color: Natural	A/R
③	1.CN.USB.AM.15	USB 3.0 A Male,Insulation:Blue,Solder type, Contact:gold plated	1pc
②	1.CN.USB.AF.08	USB 3.0 A Female,Insulation:Blue,Solder type, Contact:gold plated	1pc
①	1.CB.RD.ME.0343	USB 3.0 Cable: 28AWG*2P+28AWG*1P+24AWG *2C+Filler+AL+Tinned copper braid+ Drain, Jacket: medical grade PVC, OD:5mm, Color: White(WH731).	~160mm
ITEM	Material's P/N	DESCRIPTION	QUANTITY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS (INCHES)	DRAWN BY Jason Qiu	CONNECT WITH CONFIDENCE	
TOLERANCES ARE: MILLIMETERS INCHES .X ±0.5 .XX ±0.20 .XXX ±0.100 .XX ±0.02 .XXX ±0.008 .XXXX ±0.0040 ANGULAR ±0.5°	CHECKED BY Jim Chen	OCP CHINA P/N: 016-CD-0512 TITLE:	
APPROVED BY Jay Chow	OCP P/N: 62-00220		USB 3.0 A Male to USB 3.0 A Female
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCP CHINA. PARTIAL OR TOTAL REPRODUCTION WITHOUT THE WRITTEN PERMISSION OF OCP CHINA IS PROHIBITED	CUSTOMER P/N: -		PROJECT NO.: PJI1901041
	CUSTOMER REV.LEVEL: -		DRAWING NO.: JT1901022 REV: B
	CUSTOMER NAME: -		SCALE Free SIZE A4 SHEET 1 OF 1

8 7 6 5 4 3 2 1

H H

G G

F F

E E

D D

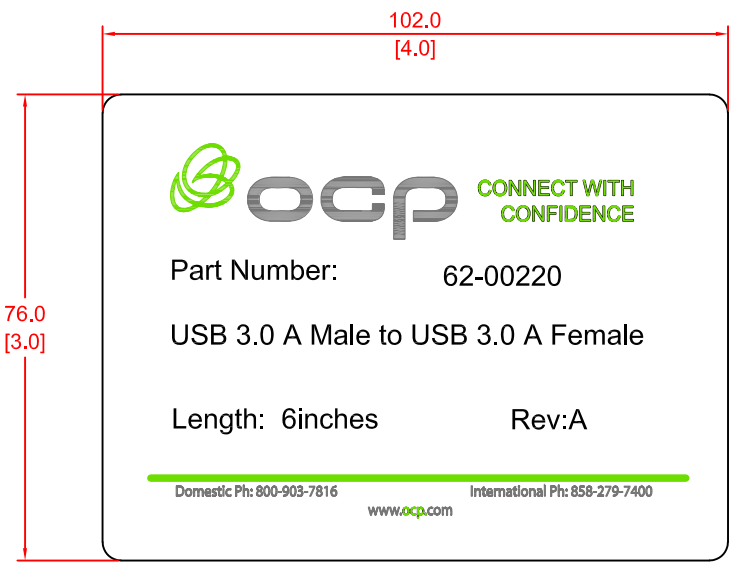
C C

B B



A A


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Material: Paper, White, 0.08mm thickness.

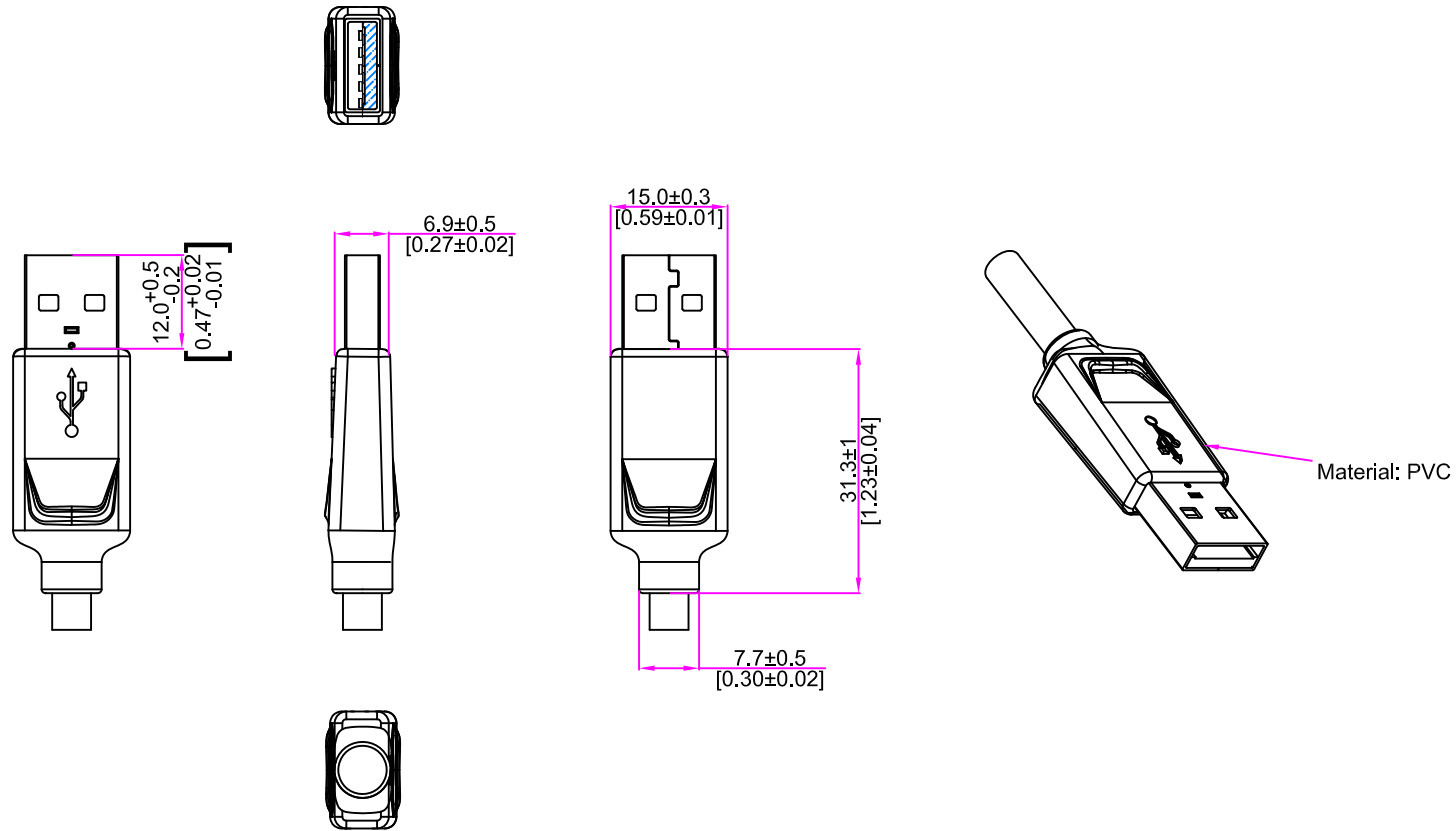
- Color:
-  PMS 425C
 -  PMS 376C

UNLESS OTHERWISE SPECIFIED	DRAWN BY	Jason Qiu			CONNECT WITH CONFIDENCE	
DIMENSIONS ARE IN MILLIMETERS (INCHES)	CHECKED BY	Jim Chen			OCP CHINA P/N: 016-CD-0512	
TOLERANCES ARE:	APPROVED BY	Jay Chow		CUSTOMER P/N: 62-00220		
MILLIMETERS INCHES	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCP CHINA. PARTIAL OR TOTAL REPRODUCTION WITHOUT THE WRITTEN PERMISSION OF OCP CHINA IS PROHIBITED.		CUSTOMER REV LEVEL: - CUSTOMER NAME: -		TITLE: Label for zip bag PROJECT NO.: PJI1901041 DRAWING NO.: JT1901022-01 REV: A	
.X ±0.5 .XX ±0.02 .XX ±0.20 .XXX ±0.008 .XXX ±0.100 .XXXX ±0.0040 ANGULAR ±0.5°	DO NOT SCALE DRAWING		SCALE	Free	SIZE	A4
			SHEET		1 OF 1	

8 7 6 5 4 3 2 1



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A	Initial Release	24 Jan, 2019



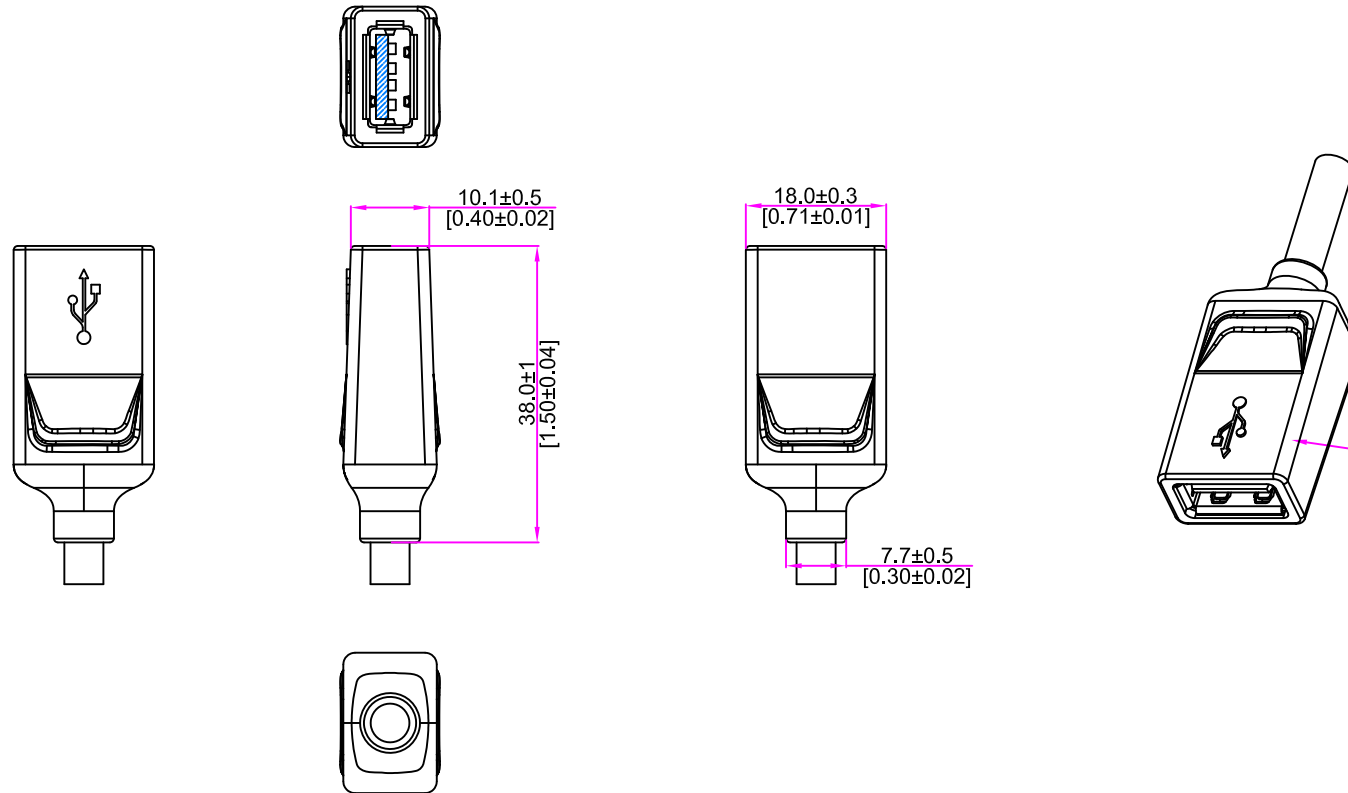
Notes:

- Parts must be free of flash, bubbles, flow & sink marks, knit lines or any other blemish.
- Parting lines & burrs should be clean within 0.15mm of surface.
- Gate removal should be clean within 0.15mm of surface.
- All sharp edges will be applied with radii.

UNLESS OTHERWISE SPECIFIED		DRAWN BY		 CONNECT WITH CONFIDENCE									
DIMENSIONS ARE IN <small>MILLIMETERS</small> [INCHES]		Jason Qiu											
TOLERANCES ARE:		CHECKED BY		PROJECT NO.: -									
<table border="1"> <thead> <tr> <th>MILLIMETERS</th> <th>INCHES</th> </tr> </thead> <tbody> <tr> <td>.X ±0.5</td> <td>.XX ±0.02</td> </tr> <tr> <td>.XX ±0.20</td> <td>.XXX ±0.008</td> </tr> <tr> <td>.XXX ±0.100</td> <td>.XXXX ±0.0040</td> </tr> </tbody> </table> ANGULAR ±0.5°		MILLIMETERS	INCHES	.X ±0.5	.XX ±0.02	.XX ±0.20	.XXX ±0.008	.XXX ±0.100	.XXXX ±0.0040	APPROVED BY		TITLE:	
MILLIMETERS	INCHES												
.X ±0.5	.XX ±0.02												
.XX ±0.20	.XXX ±0.008												
.XXX ±0.100	.XXXX ±0.0040												
		Jay Chow		USB 3.0, A Male Overmold									
PROPRIETARY AND CONFIDENTIAL				DRAWING NO.: JT1901021-01									
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCP CHINA. PARTIAL OR TOTAL REPRODUCTION WITHOUT THE WRITTEN PERMISSION OF OCP CHINA IS PROHIBITED.				REV.: A									
 DO NOT SCALE DRAWING		SCALE	Free	SIZE	A4								
				SHEET	1 OF 1								



Drawing And Dimensions

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A	Initial Release	25 Jan, 2019



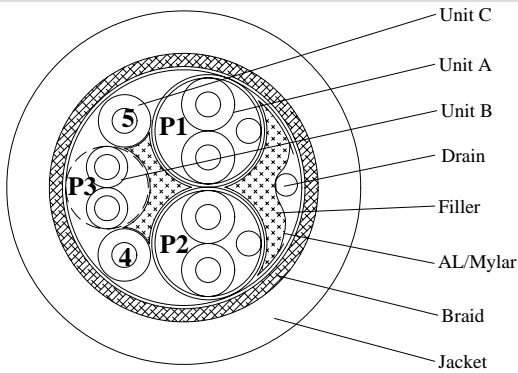
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4. All sharp edges will be applied with radii.

UNLESS OTHERWISE SPECIFIED		DRAWN BY		 CONNECT WITH CONFIDENCE	
DIMENSIONS ARE IN MILLIMETERS / INCHES		Jason Qiu			
TOLERANCES ARE:		CHECKED BY		OCP CHINA P/N: -	
MILLIMETERS		Jim Chen		OCP P/N: 78-00738	
.X ±0.5	.XX ±0.02	APPROVED BY		CUSTOMER P/N: -	
.XX ±0.20	.XXX ±0.008	Jay Chow		CUSTOMER REV.LEVEL: -	
.XXX ±0.100	.XXXX ±0.0040			CUSTOMER NAME: -	
ANGULAR ±0.5°				PROJECT NO.: -	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF OCP CHINA. PARTIAL OR TOTAL REPRODUCTION WITHOUT THE WRITTEN PERMISSION OF OCP CHINA IS PROHIBITED.				TITLE: USB 3.0, A Female Overmold	
				DRAWING NO.: JT1901021-02	
				REV.: A	
 DO NOT SCALE DRAWING				SCALE	Free
				SIZE	A4
				SHEET	1 OF 1

NOUL (28AWG*1P+D+AM+M)*2Pcs+28AWG*1P+24AWG*2C+ADB

截面图(Cross Drawing)



组成 (Composing)	编号 (Component #)	芯线 1 (Conductor #1)	芯线 2 (Conductor #2)
Unit A	P1	Yellow	Blue
	P2	Orange	Violet
Unit B	P3	White	Green
Unit C	4	Red	/
	5	Black	/

结构(Construction)

项目(Item)	Unit A : 2P		
	Construction	AWG	
Conductor (导体)	Construction	AWG	28
	Material		Tinned Copper
	Conductors No		7
	Conductors Size	mm	0.127
	Stranded O.D.	mm	0.38
Insulation (绝缘)	Material		Foam PE+Skin
	Diameter	mm	0.90±0.05
	Nom. Thickness	mm	0.26
Drain Wire (排流线)	Material		Tinned Copper
	Construction	mm	7/0.127
Shield (1) (屏蔽)	Material		AL/Mylar, Aluminum Facing In
	Construction		25% Overlap
Wrap (包带)	Material		Heat-Sealed Mylar
	Construction		25% Overlap

项目(Item)	Unit B : 1P		
	Construction	AWG	
Conductor (导体)	Construction	AWG	28
	Material		Tinned Copper
	Conductors No		7
	Conductors Size	mm	0.127
	Stranded O.D.	mm	0.38
Insulation (绝缘)	Material		HDPE
	Diameter	mm	0.70±0.05
	Nom. Thickness	mm	0.16

项目(Item)	Unit C : 2C		
	Construction	AWG	
Conductor (导体)	Construction	AWG	24
	Material		Tinned Copper
	Conductors No		7
	Conductors Size	mm	0.20
	Stranded O.D.	mm	0.60
Insulation (绝缘)	Material		PP
	Diameter	mm	0.90±0.05
	Nom. Thickness	mm	0.15

项目(Item)	Unit A+Unit B+Unit C+Cotton Rope Fillers		
	Material		
Shield(2) (总屏蔽)	Material		AL/Mylar, Aluminum Facing Out
	Construction		25% Overlap
Drain Wire (排流线)	Material		Tinned Copper
	Construction	mm	7/0.127
Braid (编织)	Material		Tinned Copper
	Construction	mm	16/8/0.10, 80% Coverage
Jacket (外护套)	Material		PVC (抗 UV,符合生物兼容性)
	Diameter	mm	5.00 ± 0.20
	Nom. Thickness	mm	0.50
	Color		White

Marking(印字)

No Marking

电气性能(Electrical Characteristics)

Item(项目)	Electrical Characteristics	
Insulation Resistance(Min.)	10 MOhms.km @ 20	
Conductor Resistance (Max.)	239 Ohms/km @ 20	
Dielectric Strength	500 VAC/1min, No Breakdown	
Differential Impedance	Unit A: 90±7 Ohms @ TDR	
	Unit B: 90±13.5 Ohms @ TDR	
	Intra-Pair Skew	
	Unit A: 15 ps/m Max.	
	Unit B: 50 ps/m Max.	
Attenuation (Unit A, Max.)	Frequency(MHz)	Attenuation (dB/2.0m)
	100	-1.5
	1250	-5
	2500	-7.5
	7500	-25
Attenuation (Unit B, Max.)	1	-0.2
	8	-0.57
	24	-0.95
	96	-1.9
	200	-3.2
400	-5.8	

产品说明(Product Description)

- 📄 产品说明 (Product Description)
 - Rated temperature & voltage: 80 30V
- 📄 参考标准(Reference Standard)
 - UL 758 ·UL 1581
 - USB3.0
- 📄 环保要求(Environmental Conservation)
 - RoHS Compliance: In Accordance to Restriction of Hazardous Substances Directive 2011/65/EU(RoHS 2.0)