



NOTES:

1. Electrical Specifications:

- Meets USB 3.0 specifications
- Low level Contact Resistance:
- 30 mOhm max for VBUS and GND Contacts
- 50 mOhm max for all other contacts
- Insulation Resistance 1000 MOhm min.
- Current Rating: 2A max. @ 25°C
- DWV: 500V AC/60s Pin to Pin; 1000V AC/60s Pin to shell
- Connector Operating Temperature: -40°C to +85°C

2. Material and Finish:

- Coupling Ring: Polyester (Black); or ABS, Nickel Plated, UL94 V-0
 - Plug Housing: Polyester (Black); or ABS, Nickel Plated, UL94 V-0
 - Interfacial Seal: Silicone, Color: White
 - Cable Gland: PA (Black) or Brass, Nickel Plated
 - Cable Gland Seal: NBR, Color: Black
 - Cable Gland Insert (Metal Version): Nylon, Color: White
 - USB Insulator: PBT, UL 94V-0, Color: Blue
 - USB Metal Shell: SPCC, Nickel plated
 - USB Contact: Copper Alloy, 30 u" min. Au over 40 u" min. Nickel Plated
 - USB Insulator: PBT +GF, UL94 V-0, Color: Blue
3. Cable: UL AWM 2725, 2 x (Shielded Twist Pair AWG28 + Drain Wire)
+ 2 x Unshielded AWG28 + 2 x AWG24 + Drain Wire, Overall Braid Shield;
Outer Jack PVC, OD: 6.0 mm Color: Blue

⑥ Pin Assignment

Plug 1	Wire Map	Plug 2
p1	----- Red -----	p1
p2	----- White -----	p2
P3	----- Green -----	P3
P4	----- Black -----	P4
P5	----- Blue -----	P8
P6	----- Yellow -----	P9
P7	---- Drain Wire --	P7
P8	----- Purple -----	P5
P9	----- Orange -----	P6
Shell	----- Braid -----	Shell

L	Part Number	
	Plastic Version	Metallized Plastic Version
0.3 ± 0.03 m	17-240251	17-240331
0.5 ± 0.05 m	17-240261	17-240341
0.75 ± 0.05 m	17-240271	17-240351
1 ± 0.10 m	17-240281	17-240361
2 ± 0.10 m	17-240291	17-240371
3 ± 0.10 m	17-240301	17-240381

RoHS Compliant

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	Name	Title	Approval Date	0 PLC ±0.50	1 PLC ±0.38		Autodesk Inventor	Material: See Notes	
				2 PLC ±0.25	3 PLC ±0.10	2015	Date	Name	Title: USB Patch Cord USB 3.0 Type A Plug (IP67) to USB 3.0 Type A Plug (IP20)
				ANGLES ±.7	Draw.	Oct. 28	Vincent Ke		
					Appd.	Oct. 28	Thomas Koch		
				Norm				Drawing No.: 17K1A579	DIN A3
				D-old				Part No.: SEE P/N ABOVE	Sheet 1/1
	b	2 x b	Aug/16/2017	Vincent Ke					
	a	original							
	Rev.	Changes	Date	Name					