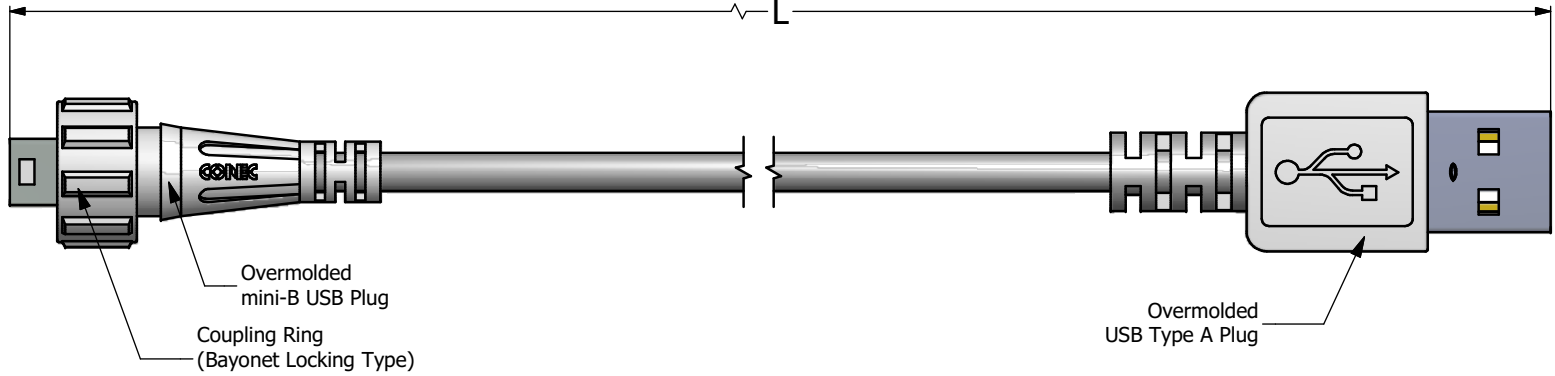




Interfacial Gasket



Overmolded mini-B USB Plug  
Coupling Ring (Bayonet Locking Type)

Overmolded USB Type A Plug

**NOTES:**

**1. Electrical Specifications:**

- Meets USB 2.0 Specifications
- Low level Contact Resistance:
  - 50 mOhm max. for mini USB
  - 30 mOhm max. for USB
- Insulation Resistance 100 MOhm min.
- Current Rating: 1.0 A max. @ 25°C
- DWV: 100 VAC/60s at sea level
- Connector Operating Temperature: -40°C to +80°C

**2. Material and Finish:**

- mini USB Coupling Ring: PBT (Black); UL94 V-0
- mini USB Overmold: PVC (Black); UL94 V-0
- mini USB Insulator: PBT, UL 94V-0, Black
- Gasket: Silicone, Transparent
- USB Insulator: PBT, UL 94V-0, Color: White
- USB Overmold: PVC, UL94 V-0, Color: Black
- mini USB & USB Metal Shell: Steel, Nickel plated
- mini USB & USB Contact: Copper Alloy, 30 u" min. Au over 40 u" min. Ni Plated

**3. Shielded USB Cable Configuration**

AWM 2725 AWG28/1p + AWG28/2c, OD: 3.5 mm Color: black

**4. IP67 rated when fully mated with appropriate mating connector**

**Pin-Assignments**

mini-B USB Plug	USB Cable	USB Type A Plug
Pin1 -----	Red -----	Pin1
Pin2 -----	White -----	Pin2
Pin3 -----	Green -----	Pin3
Pin4 -----	Not Connected	
Pin5 -----	Black -----	Pin4
Shell -----	Braid + Drain -----	Shell

Cable Length L	Part Number
2 m +/-0.1m	17-250031
3 m +/-0.1m	17-250041
5 m +/-0.1m	17-250051

**RoHS Compliant**

THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY MANNER AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC CORPORATION. <b>DO NOT ALTER CAD DRAWING BY HAND</b>	Customer:			Tolerance Unless otherwise specified 0 PLC ±0.30 1 PLC ±0.20 2 PLC ±0.10 3 PLC ±0.05 ANGLES ±1°		Scale: 2	Dim. in m	
	Name	Title	Approval Date			Material: See Notes		
				2011	Date	Name	Title: USB Patch Cords IP67 mini-B USB Plug to Standard USB Type A Plug	
				Draw.	May 05	Vincent Ke		
				Appd.	May 05	J. Cahudry		
				Norm		Drawing No.: 17K1A140		
	c	1 x c	Mar/27/2015	Vincent Ke	D-old	Part No.: SEE P/N ABOVE		
	b	1 x b	Feb/09/2015	Vincent Ke		DIN A3		
	a	original				Sheet 1/1		
Rev.	Changes	Date	Name					