

## Wire Numbers for AMP mass connector

Wire Number	Color	Group	Description
1	Black	X axis	Ground
2	Red	X axis	A
3	Yellow	X axis	B
4	Green	X axis	Z
5	Blue	X axis	5V
6	Orange	X axis	Shield
7	Black	Y axis	Ground
8	Red	Y axis	A
9	Yellow	Y axis	B
10	Green	Y axis	Z
11	Blue	Y axis	5V
12	Orange	Y axis	Shield
13	Black	Z axis	Ground
14	Red	Z axis	A
15	Yellow	Z axis	B
16	Green	Z axis	Z
17	Blue	Z axis	5V
18	Orange	Z axis	Shield
19	Light Orange		Emo
20	Lt Orange Blk strip		Emo
21	Brown	Limit X	
22	Purple	Limit X	
23	Brown	Limit Y	
24	Purple	Limit Y	
25	Brown	Limit Z	
26	Purple	Limit Z	
27	Blk/Wht	Lube Pump	Lube Pump Sense Wires
28	Wht/Blue	Lube Pump	Lube Pump Sense Wires
29	Green/Yellow	Lube Pump	Lube Pump Sense Wires

All wires are 10ft long enclosed by a 7 ft long flexible conduit. One end uses a 37 pin AMP connector while the other side uses a liquid tight connector. Wires are then trimmed accordingly inside the BostoMatic cabinet and crimped to 18awg crimp circular ring type terminals. The other end attaches to the interface box. 3 ft of the same type of wire are first attached to the female end that mounts on the cabinet. Then they are trimmed accordingly and attached to the Acc-8E boards.