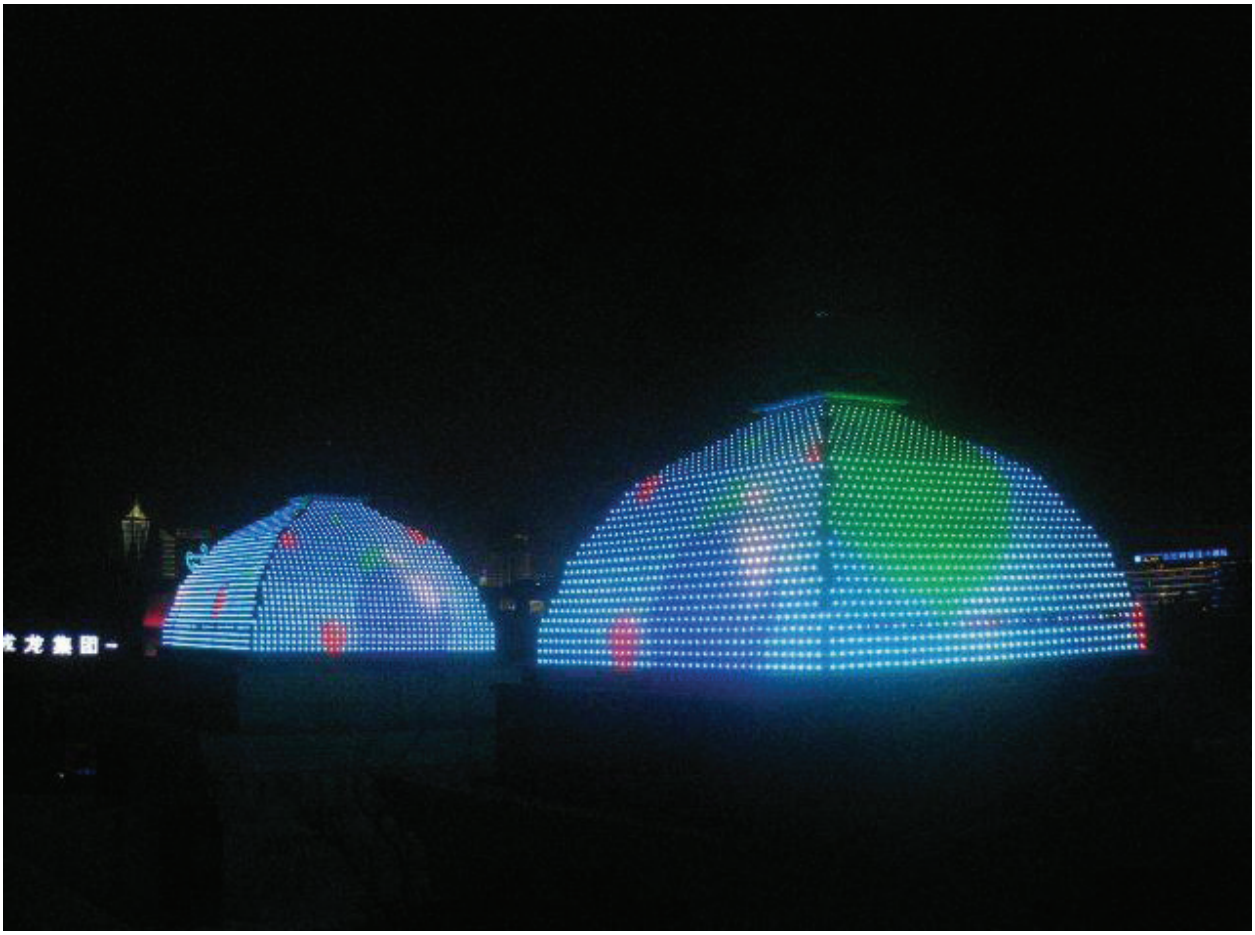

SPECIFICATIONS

Model number	PCX-6300-35MN-3 Flush Mount	**Vertical viewing angle**	50° (25° off center min)
LED technology	Through-hole LEDs	**LED lifetime**	75,000 hours (half brightness)
Pixel configuration	1 red, 1 green, 1 blue LED	**Intensity/element**	6.80 candelas
Pixels/element	1	**Power/element**	0.15 watts avg, 0.60 watts max
Puck dimensions (H x W)	35mm x 50mm (1.18 in x 1.97 in)	**Color processing**	10-bit (1.07 billion colors)
Element weight (no mounting)	0.05 kg/puck (0.125 lbs/puck)	**Dimming control**	5-bit (32 levels)
Horizontal viewing angle (matrix)	70° (35° off center)	**Service access**	Front or rear
Vertical viewing angle (matrix)	140° (70° off center min)	**Operating temperature**	-34° to 49° C (-30° to 120° F)
Horizontal viewing angle	110° (55° off center min)	**Environmental rating**	IP 67

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Cross-Section

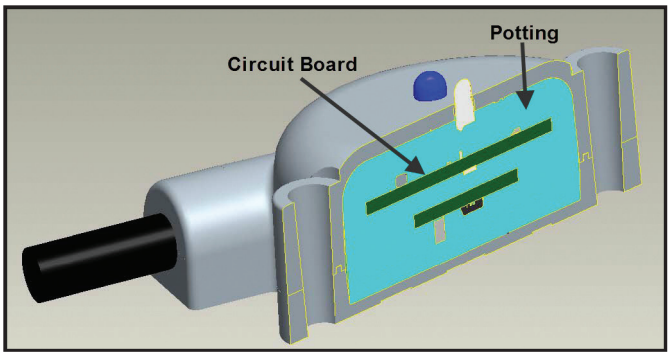

Figure 1: *Cross-Section View*

Mounting Methods

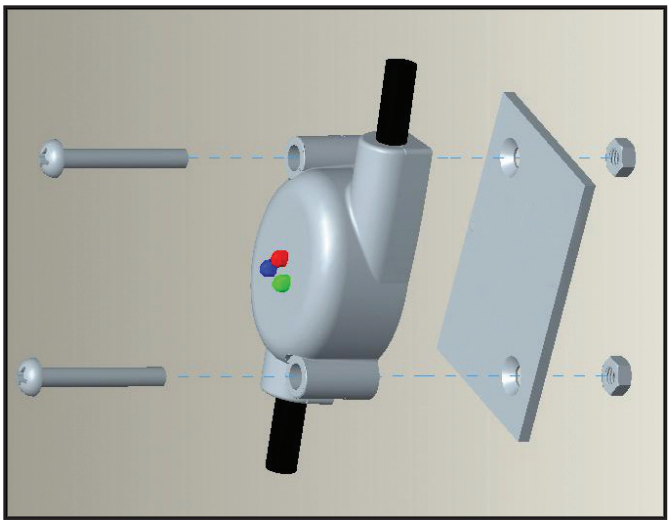

Figure 2: *Front-Mounted*

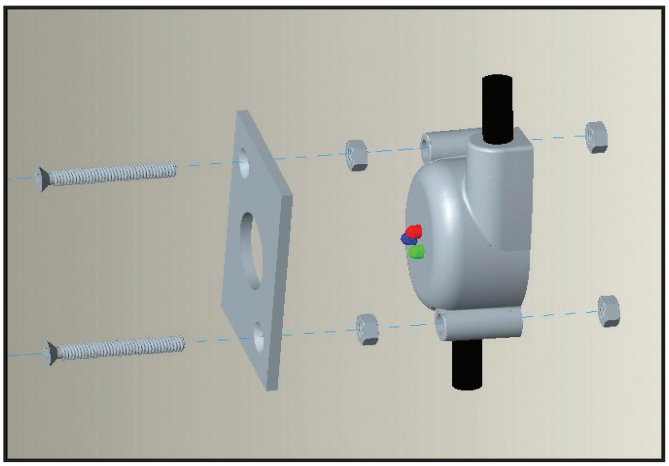

Figure 3: *Rear-Mounted*

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Mounting Orientation

Due to the cabling configuration of the PCX-35 Flush Mount element, certain mounting orientations cannot be used.

Figure 4 shows the proper orientation to use when mounting the elements. This method allows for the elements to lay flush on the mounting medium with no interference from cables.

Note: Center-to-center spacing between elements in this orientation cannot be less than 35mm.

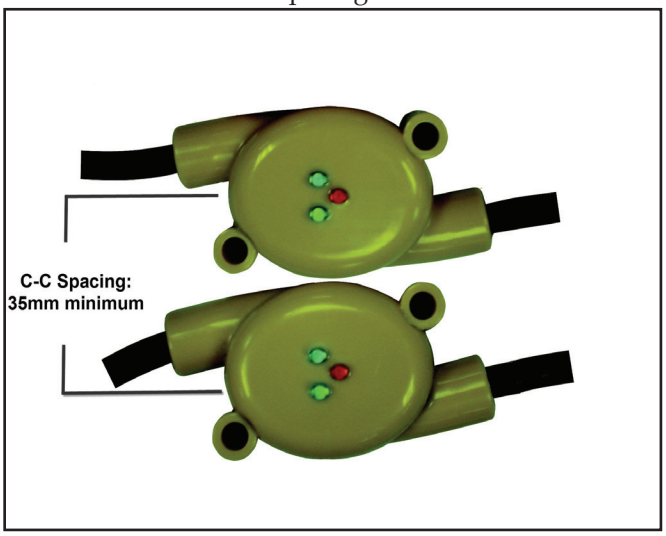

Figure 4: *Proper Mounting Orientation*

If elements are to be mounted in the orientation shown in **Figure 5**, center-to-center spacing cannot be less than 65mm. Mounting the elements less than 65mm apart will result in cable interference, and the elements will not lay flush on the mounting medium. Refer to Figure 6 for proper spacing details.

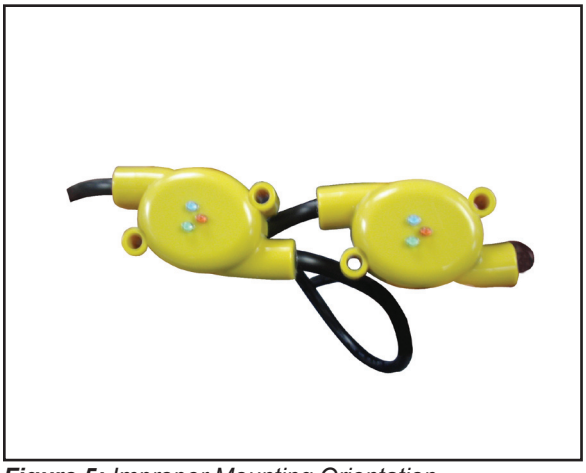

Figure 5: *Improper Mounting Orientation*

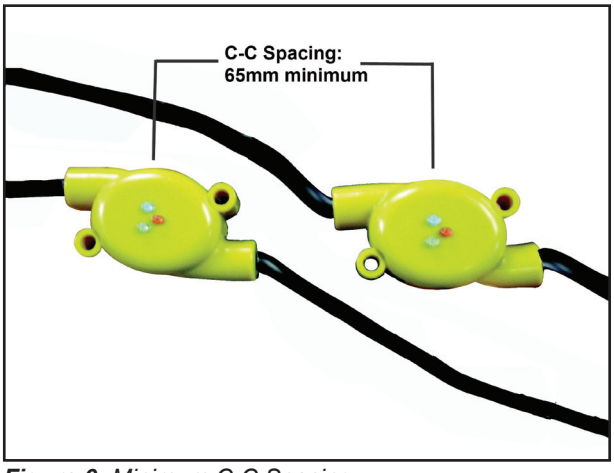

Figure 6: *Minimum C-C Spacing*

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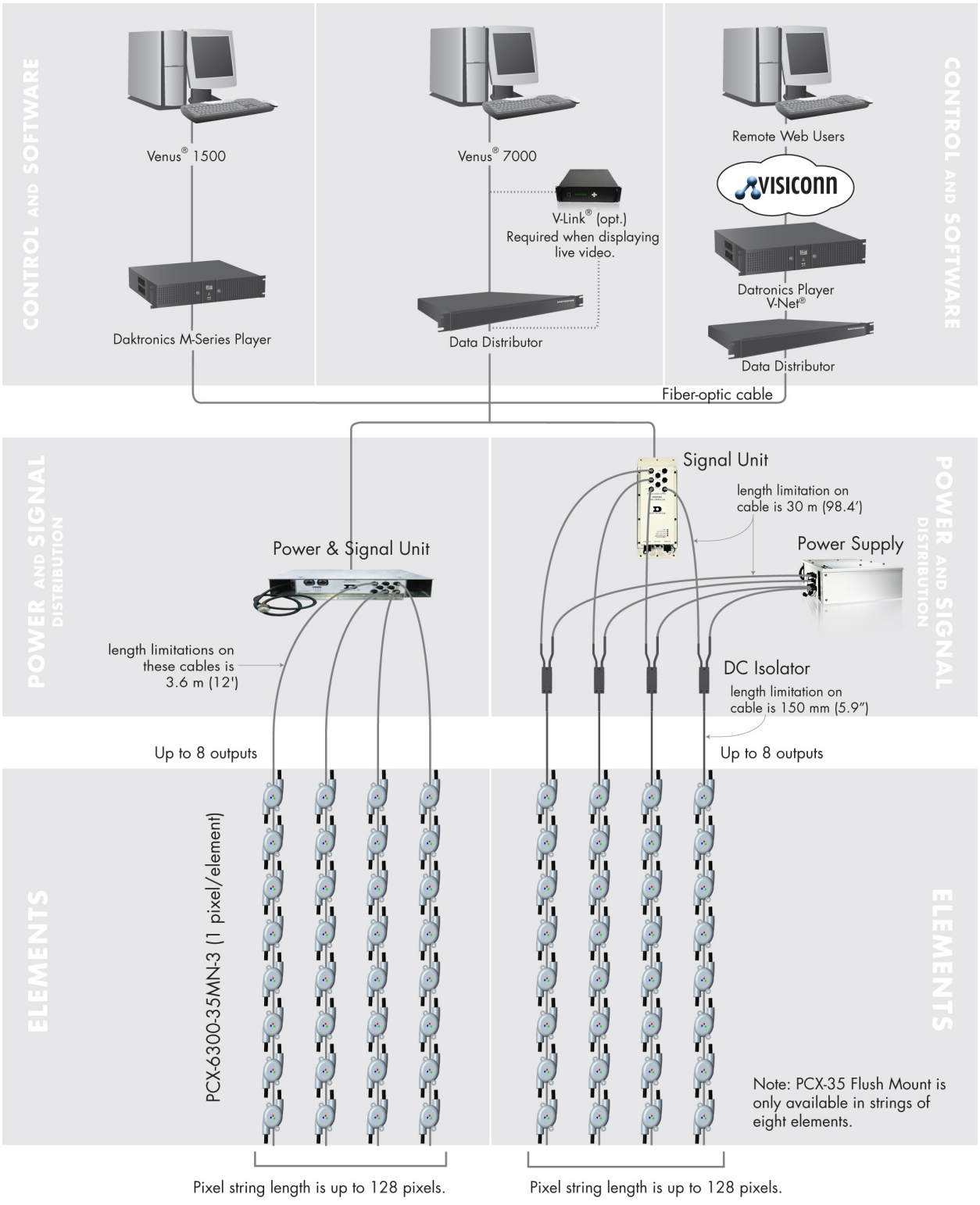

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Figure 7 can be used as a reference when mounting elements with 200mm cable. The image and table below detail the element-to-element orientation possibilities.

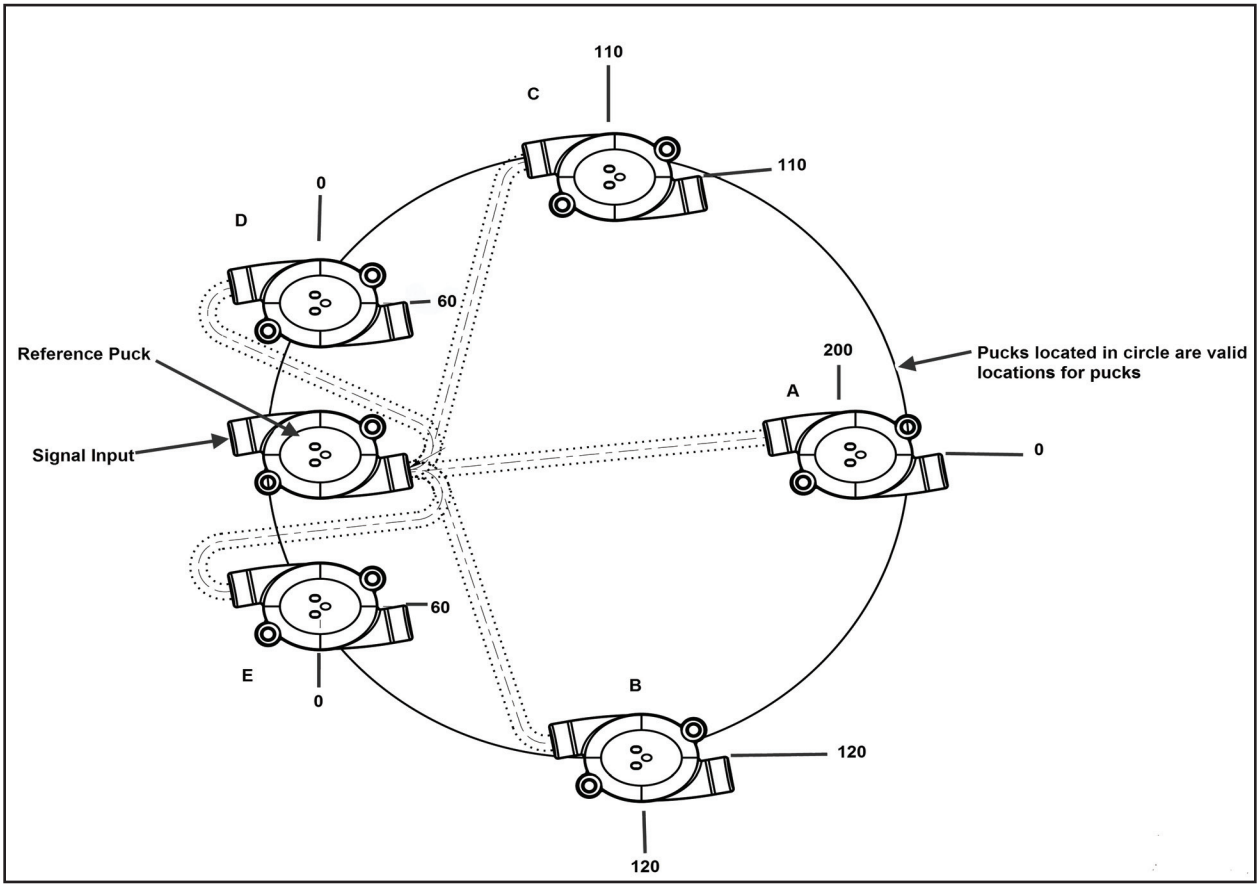

Figure 7: *C-C Limits for 200mm Cable*

Location	X-Coord	Y-Coord
A	200	0
B	120	-120
C	110	110
D	0	60
E	0	-60

A negative value indicates a location down or left of reference puck.

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Figure 8 can be used as a reference when mounting elements with 400mm cable. The image and table below detail the element-to-element orientation possibilities.

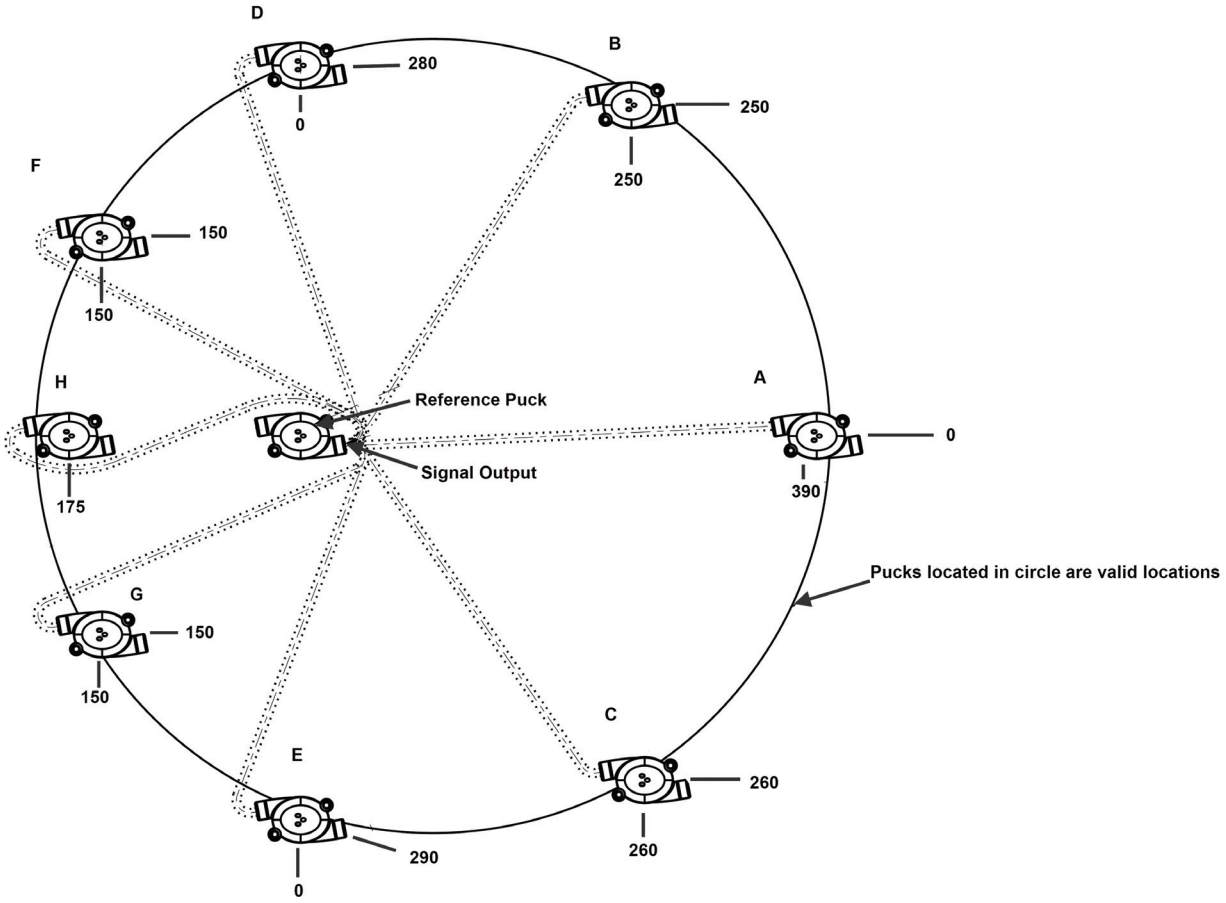

Figure 8: *C-C Limits for 400mm Cable*

Location	X-Coord	Y-Coord
A	390	0
B	250	250
C	260	-260
D	0	280
E	0	-290
F	-150	150
G	-150	-150
H	-175	0

A negative value indicates a location down or left of reference puck location.

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