

Cable Drawings
Waveguide/Coax-Switch Control Cable, P/N 31375
Waveguide Baseball-Switch Control Cable, P/N 30933

These cables are used to connect a protection switch to either the TX or RX baseball waveguide or coax switches in a 1+1 redundancy setup.

Both cables connect to the P.S. using a 6-pin connector, described below.
 Cable 30933 terminates in a 19-pin metalized connector at the baseball-switch end of the cable.
 Cable 31375 terminates in a 10-pin metalized connector at the coax-switch end of the cable.

6-Pin Connector End Description:

Pin 1: This line is used to convey 12 volt DC power from the protection switch to the baseball switch for its operation.

Pin 2: This pin is grounded by the protection switch to move a baseball switch to side-A.

Pin 3: This pin is grounded by the protection switch to move a baseball switch to side-B.

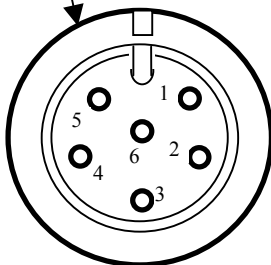
Pin 4: A side Confirmation: This line is sitting at 5 volts above ground when side-A is NOT selected. When side-A has been selected, this line will be grounded by the baseball switch.

Pin 5: Ground line.

Pin 6: B Side Confirmation: This line is sitting at 5 volts above ground when side-B is NOT selected. When side-B has been selected, this line will be grounded by the baseball switch.

NOTES :

- 1 CABLE IS BELDEN 9309
SHIELD CONNECTED TO "GND" PIN AT BOTH ENDS
WIRES IDENTIFIED WITH ** ARE FIVE (5) WIRE PARALLEL COMBINATIONS
- 2 CONNECTOR FOR J1 IS CONXALL 6280-6SG WITH CABLE SECURITY
- 3 CONNECTOR FOR J2 IS MS3116P12-10S
- 4 CABLE ASSEMBLY SHALL BE CONSTRUCTED TO BE WATER TIGHT.
- 5 IDENTIFY CABLE WITH THIS DRAWING NUMBER PLUS THREE DIGIT DASH NUMBER INDICATING LENGTH IN FT



Cable End View for 6-pin connector

J1

J2

