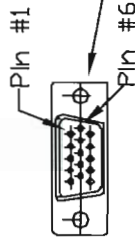High Density Male DB 15 Connector,
Norcomp 180-015-102-001
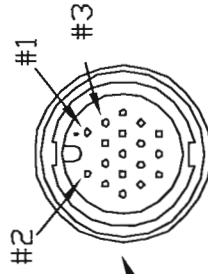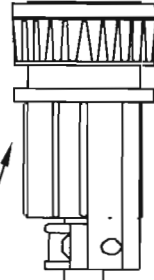
DB 9 Backshell Kit,
Northern Technology C8800218

Conxall 18 pin female connector,
13282-18SG-331

Belden 9541 cable or equivalent.
Length will be in 100' increments.

Viewed facing into
front of connector

#1
#2
#3

Viewed facing into
back of connector

Pin #1
Pin #6

NOTE:
Both connectors use same color code hookup.

Cable Part Numbers,
6' - Cirronet P/N CBLAP6
100' - Cirronet P/N CBLAP100
200' - Cirronet P/N CBLAP200
300' - Cirronet P/N CBLAP300
400' - Cirronet P/N CBLAP400
500' - Cirronet P/N CBLAP500

Cable Connection Color Code

| Pin | Color |
|---|---|
| Pin 1 | Brown |
| Pin 2 | Orange/Black |
| Pin 3 | Black |
| Pin 4 | Blue |
| Pin 5 | Tan |
| Pin 6 | Pink |
| Pin 7 | White |
| Pin 8 | Red |
| Pin 9 | Green |
| Pin 10 | Orange |
| Pin 11 | Violet |
| Pin 12 | Yellow |
| Pin 13 | White/Black |
| Pin 14 | Gray |
| Pin 15 | White/Red |

Cirronet, Inc.
5375 Oakbrook Parkway
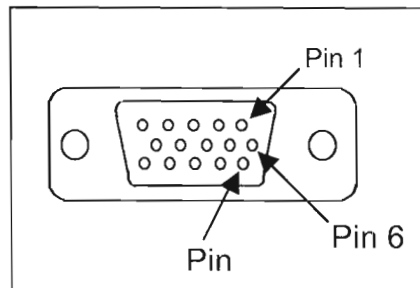Norcross, Ga.    30093

CIRRONET
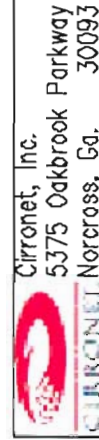
Title
WaveBolt AP-15 Cable Assembly Drawing

SIZE A    FSCM NO.    DWG NO. 800398    REV B

SCALE    16 Jan 2003    SHEET 3 of 3

## Attaching the Data/Power Cable Connector

The figure below shows the pin numbering of the Data/Power connector. The view provided is looking into the side of the connector into which the pins will be inserted.



The cable pins are installed by choosing the appropriate conductor color and connector hole location and inserting the pin into the hole until it "clicks" into place. Verify the pin is locked into place by gently pulling on the conductor.
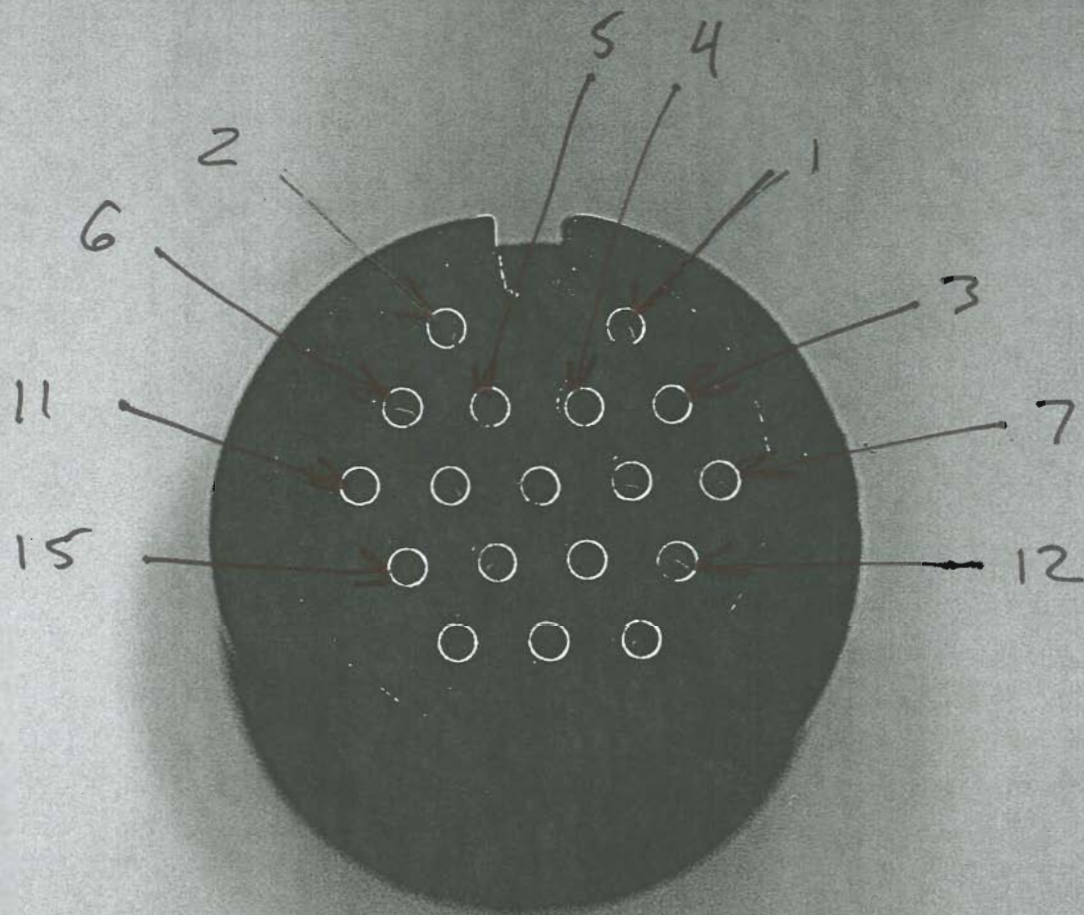
If a pin is installed in the wrong connector location, use the extractor tool to remove the pin. Insert the extractor tool into the connector hole such that the tool surrounds the pin. Gently push the extractor tool completely into the hole. Remove the pin by gently pulling on the conductor. If the pin does not come out easily, it is an indication the tool is not fully inserted. Do not pull on the conductor forcefully as that can pull the conductor out of the pin.

Use the following color code to insert the pins into the connector:

| CONNECTOR PIN | CONDUCTOR COLOR | CONNECTOR PIN | CONDUCTOR COLOR |
|---|---|---|---|
| 1 | Brown | 9 | Green |
| 2 | Orange/Black | 10 | Orange |
| 3 | Black | 11 | Violet |
| 4 | Blue | 12 | Yellow |
| 5 | Tan | 13 | White/Black |
| 6 | Pink | 14 | Grey |
| 7 | White | 15 | White/Red |
| 8 | Red | | |

Care must be taken to follow the color code correctly. An incorrectly assembled connector can damage the WBAPR or the WBAP Card or both.

Complete the assembly by placing the connector in the slot in one of the shell halves. Install the two retaining screws on both sides of the shell and through the holes on both sides of the connector, place the other shell half over the connector so the connector lies in the shell slot. Secure the connector shell halves with the nuts and bolts provided. Refer to the figures below.

5  4

2

6                    1

3

11

7

15

12

3, ~~30~~
50'

SINGLE-ENDED CABLES