

ROPE
Motor P/S Controller



J1
1 red
2 black
3 white
4 green

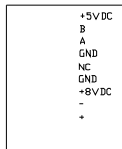
1 red
2 red/white
3 black
4 black/white



ROPE motor

ROPE tension limit

ROPE
Encoder Board



J3
1 red
2 blue
3 green
4 black
5
6 brown
7 yellow
8 white
9 orange

1
2
3
4
5
6 black
7 red
8 white
9 green

+5V
B
A
GND



ROPE encoder



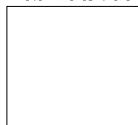
8VDC GND

ROPE load cell

J5

1
2
3
4
5
6
7
8
9

UMBILICAL
Motor P/S Controller



J2
1 red
2 black
3 white
4 green

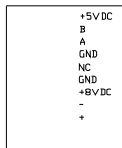
1 red
2 red/white
3 black
4 black/white



UMBILICAL motor

UMBILICAL travel limit switches

UMBILICAL
Encoder Board



J4
1 red
2 blue
3 green
4 black
5
6 brown
7 yellow
8 white
9 orange

1
2
3
4
5
6 black
7 red
8 white
9 green

+5V
B
A
GND



UMBILICAL encoder



8VDC GND

UMBILICAL load cell

Umbilical Retrieval Mechanism