

AWC2	25-wire cable from alidade relay board to control box					LENGTH 12"
Wires/pins	A	Description	B,C,D	Comment	Color	Twist
		1 brakes +24V	C1			Z
		2 Ground	C2	power mgmt		Z
		3 24V aux	D1	board		Y
		4 Ground	D2			Y
		5 +5V	B1			X
		6 Ground	B3			X
		7 float in	B18			
		8 T 2 input	B6			
		9 T 4 input	B16			
		10 Az brake sense	B4			
		11 Latch	B7			
		12 Pot 1 (GND)	B12			W
		13 Pot wiper	B13			
		14 brakes +24V	C1			Z
		15 Ground	C2	power mgmt		Z
		16 24V aux	D1	board		Y
		17 Ground	D2			Y
		18 +5V	B11			X
		19 Ground	B9			X
		20 T 1 input	B5			
		21 T 3 input	B15			
		22 electronics reset	B8			
		23 El brake sense	B17			
		24 Unlatch	B14			
	25 Pot 2 (+5V)	B2			W	
Ends	A	56-126-004	filtered D25 Socket on top of control board connects to AWE7B			
	B	2x10 100mil	ucontroller board			
	C	JameCo	power mgmt board	relay/brakes	232362	
	D	JameCo	power mgmt board	HV aux	236332 248911	
AWC3	encoder for azimuth		12"	(P/N: R176H-03600Q-5L10-AT40SP-24MN)		
Wires/pins	A	Description	B	Comment	Color	Twist
		1 A	7		yellow	Z
		2 B	8		green	Y
		3 IND	9		blue	X
		4 N/C			shield	
		5 +5V	10		red	W
		6 /A	2		brown	Z
		7 /B	3		orange	Y
		8 /IND	4		white	X
	9 COMMON	5		black	W	
Ends	A	56-106-010	filtered Dsub 9 socket on control box connects to AWE12A			
	B	2x5 0.100"	2x5 0.100" on microcontroller card			
AWC4	encoder for elevation		12"	(P/N: 9220S03600D5L10D99SP04EA)		
Wires/pins	A	Description	B	Comment	Color	Twist
		1 A	7		yellow	Z
		2 B	8		green	Y
		3 IND	9		blue	X
		4 N/C			shield	
		5 +5V	10		red	W
		6 /A	2		brown	Z
		7 /B	3		orange	Y
		8 /IND	4		white	X
	9 COMMON	5		black	W	
Ends	A	56-106-010	filtered Dsub 9 socket on control box connects to AWE13A			
	B	2x5 0.100"	2x5 0.100" on microcontroller card			