

AWC2		25-wire cable from alidade relay board to control box			LENGTH 12"		
	A	Description	B,C,D	Comment	Color		
Wires/pins	1	brakes +24V	C1	power mgmt board		all wires #22 AWG	
	2	Ground	C2				
	3	24V aux	D1				
	4	Ground	D2				
	5	+5V	B1	microcontroller board			
	6	Ground	B3				
	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				
	13	Pot wiper	B13				
	14	brakes +24V	C1	power mgmt board			
	15	Ground	C2				
	16	24V aux	D1				
	17	Ground	D2				
	18	+5V	B11	microcontroller board			
	19	Ground	B9				
	20	T 1 input	B5				
	21	T 3 input	B15				
	22	electronics reset	B8				
	23	EI brake sense	B17				
	24	Unlatch	B14				
	25	Pot 2 (+5V)	B2				
Ends	A	56-126-004	filtered D25S on top of control box		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 (P/N: R176H-03600Q-5L10-AT40SP-24MN)					
Wires/pins	A	Description	B	Comment	Color	all wires #2X AWG	
	1	A	7		yellow		
	2	B	8		green		
	3	IND	9		blue		
	4	N/C			shield		
	5	+5V	10		red		
	6	/A	2		brown		
	7	/B	3		orange		
	8	/IND	4		white		
9	COMMON	5		black			
Ends	A	56-106-010	Dsub 9 socket on control box		connects to AWE12A		
	B	2x5 0.100"	2x5 0.100" on microcontroller card				
AWC4		encoder for elevation (P/N: 9220S03600D5L10D99SP04EA)					
Wires/pins	A	Description	B	Comment	Color	all wires #2X AWG	
	1	A	7		yellow		
	2	B	8		green		
	3	IND	9		blue		
	4	N/C			shield		
	5	+5V	10		red		
	6	/A	2		brown		
	7	/B	3		orange		
	8	/IND	4		white		
9	COMMON	5		black			
Ends	A	56-106-010	Dsub 9 socket on control box		connects to AWE13A		
	B	2x5 0.100"	2x5 0.100" on microcontroller card				

