

## Tow Winch Controls / Tensioner Upgrade

Cable	Cable	From	To	Signal	Length	Unit \$	Total
Label	Type				(m)		
W330	24 volts DC	Panel DC1 Breaker # 10,11 DC2 3	HYDCON interface Cabinet	24 volts DC	20	\$	\$
		Lower aft bridge Stbd/ MCR Console	Winch Room				
W331	24 volts DC	Bridge System Interface	HYDCON interface Cabinet	24 volts DC	90	\$	\$
		Aft Console WH	Winch Room				
W332	Can Bus	Bridge System Interface	HYDCON interface Cabinet	Can Bus	90	\$	\$
		Aft Console WH	Winch Room				
W333	24 volts DC	HYDCON interface Cabinet Winch room	Junction Box 0	24 volts DC	15	\$	\$
			Tow Drum				
W334	signal	HYDCON interface Cabinet Winch room	Junction Box 0	Signal	15	\$	\$
			Tow Drum				
W335	24 volts DC	HYDCON interface Cabinet Winch room	Temperatur e sensor	24 volts DC	15	\$	\$
W336	24 volts DC	HYDCON interface Cabinet Winch room	Brake Feedback tow drum	24 volts DC	15	\$	\$
W337	signal	HYDCON interface Cabinet Winch room	Encoder Tow Drum	Signal	15	\$	\$
W338	signal	HYDCON interface Cabinet Winch room	Load cell Tow Drum	Signal	15	\$	\$
W339	24 volts DC	HYDCON interface Cabinet Winch room	Panel Interface Bridge	24 volts DC	90	\$	\$
W340	signal	HYDCON interface Cabinet Winch room	Panel Interface Bridge	Signal	90	\$	\$
W341	signal	HYDCON interface Cabinet Winch room	Servo Unit 2	Signal	15	\$	\$
W342	24 volts DC	Servo Unit 1	Servo Unit 1	24 volts DC	15	\$	\$
W343	24 volts DC	Panel Interfa ce	Servo Unit 2	24 volts DC	90	\$	\$
Wire 6	220	T1 #2 Panel Wheelhous e	Touch Supply	220 volt AC	6	\$	\$
Total							\$