This diagram shows the cable connections for a three pole controller.

If your controller has four poles, use this same diagram except remove A2 cable from controller to forward/reverse C terminal.

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27” Cable Battery Positive Post To Solenoid #1 post  
6” Cable B+ Controller To Solenoid #2 post  
22.5” Cable B+ Controller To F/R A terminal  
36” Cable Battery Negative Post To B- on Controller  
54” Cable M- Controller To A1 on the motor  
43” Cable A2 To F/R C terminal (Motor A2)  
44.5” Cable S1 To F/R D terminal (Motor S1)  
40.5” Cable S2 To F/R B terminal (Motor S2)  
7” Battery connection cables (4)  
11” Battery connection cable (1)