

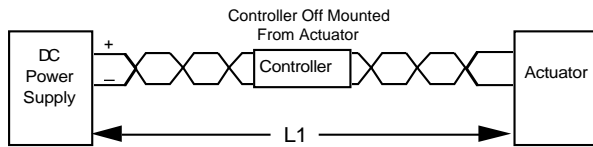


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## Sizing of DYNA Governor Power Supply Leads

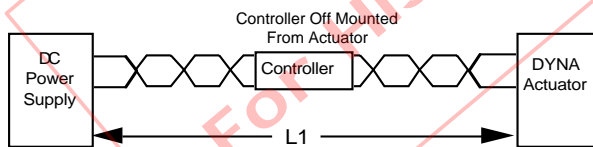
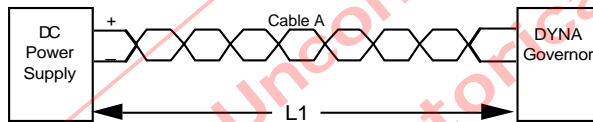
Select the correct wire size for your governor power leads from the appropriate chart below.

### Power Leads for DYNA 2000 & DYNA 2500 Linear Governor (12 and 24 VDC only)



Wire Size AWG (mm <sup>2</sup> ) 12 or 24 VDC	Maximum Cable Length L1 in Ft. (M)
14 (2.5)	70 (20)
12 (4)	112 (34)
10 (6)	178 (54)

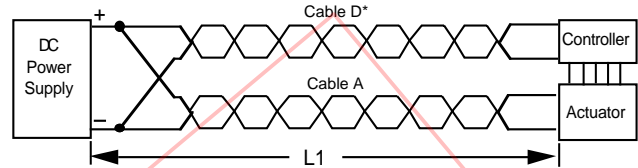
### Power Leads for 8000, 8200, 8400, +1 and +4 Governor



Wire Size AWG (mm <sup>2</sup> ) 12, 24 or 32 VDC System*	Maximum Cable Length L1 in Ft. (M)
14 (2.5)	35 (10)
12 (4)	56 (17)
10 (6)	89 (27)
8 (10)	142 (43)
6 (16)	226 (69)

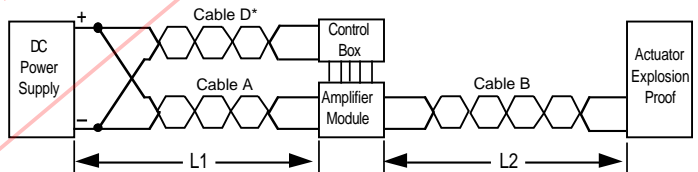
\*12 VDC Plus 4 Actuators are not available.

### Power Leads for +6 Actuator



Wire Size AWG (mm <sup>2</sup> ) 24 or 32 VDC System	Maximum Cable A Length in Ft. (M)
14 (2.5)	20 (6)
12 (4)	31 (9)
10 (6)	49 (15)
8 (10)	78 (24)
6 (16)	128 (39)

### Power Leads for +6 Explosion Proof Actuator



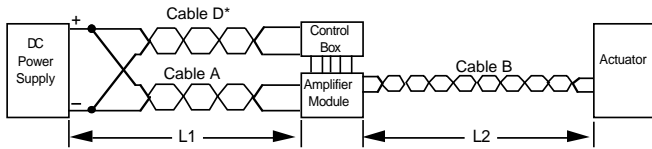
Wire Size AWG (mm <sup>2</sup> ) 24 or 32 VDC System	Maximum Cable Length in Ft. (M)	
	Power Cable A L1	Power Cable B L2
14 (2.5)	10 (3)	10 (3)
12 (4)	15 (5)	15 (5)
10 (6)	24 (7)	24 (7)
8 (10)	39 (12)	39 (12)
6 (16)	64 (20)	64 (20)
4 (25)	100 (30)	100 (30)

**Note:** AWG (mm<sup>2</sup>) does not have to remain the same for L1 & L2.

\*AWG 14 (2.5 mm<sup>2</sup>) can be used up to 500 ft. (152 M) for cable D.

**Power Leads for +8 and +16 Actuators  
(24 and 32 VDC only)**

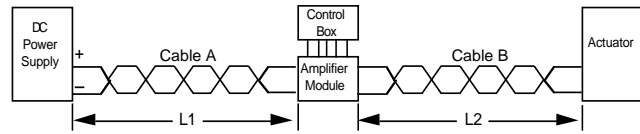
**8 Ft-Lb System**



Wire Size AWG (mm <sup>2</sup> ) 24 or 32 VDC System	Maximum Cable Length in Ft. (M)	
	Power Cable A L1	Power Cable B L2
12 (4)	15 (5)	15 (5)
10 (6)	25 (8)	25 (8)
8 (10)	40 (12)	40 (12)
6 (16)	65 (20)	65 (20)

**Power Leads for +8 and +16 Actuators  
(125 VDC only)**

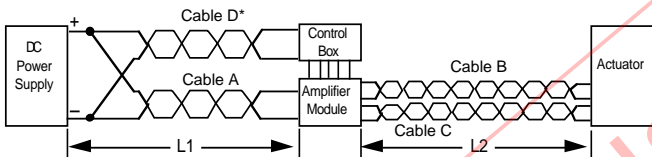
**8 Ft-Lb System**



Wire Size AWG (mm <sup>2</sup> ) 125 VDC System	Maximum Cable Length in Ft. (M)	
	Power Cable A L1	Power Cable B L2
12 (4)	50 (15)	50 (15)
10 (6)	90 (27)	90 (27)
8 (10)	140 (43)	140 (43)
6 (16)	235 (72)	235 (72)

**Power Leads for +8 and +16 Actuators  
(24 and 32 VDC only)**

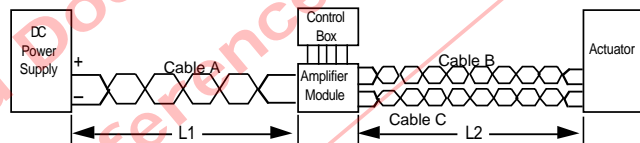
**16 Ft-Lb System**



Wire Size AWG (mm <sup>2</sup> ) 24 or 32 VDC System	Maximum Cable Length in Ft. (M)	
	Power Cable A L1	Power Cable B & C L2
12 (4)	0 (0)	15 (5)
10 (6)	12 (4)	25 (8)
8 (10)	20 (6)	40 (12)
6 (16)	32 (10)	65 (20)

**Power Leads for +8 and +16 Actuators  
(125 VDC only)**

**16 Ft-Lb System**



Wire Size AWG (mm <sup>2</sup> ) 125 VDC System	Maximum Cable Length in Ft. (M)	
	Power Cable A L1	Power Cable B & C L2
12 (4)	25 (8)	50 (15)
10 (6)	45 (14)	90 (27)
8 (10)	70 (21)	140 (43)
6 (16)	115 (35)	235 (72)

**Note:** AWG (mm<sup>2</sup>) does not have to remain the same for L1 & L2.

\*AWG 14 (2.5 mm<sup>2</sup>) can be used up to 500 ft. (152 M) for cable D.

**NOTE**

Barber-Colman believes that all information provided herein is correct and reliable and reserves the right to update at any time. Barber-Colman does not assume any responsibility for its use unless otherwise expressly undertaken.

**CAUTION**

As a safety measure, the engine should be equipped with an independent overspeed shutdown device in the event of failure which may render the governor inoperative.

**Barber-Colman Company**

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