

VFD CABLE SELECTION GUIDE

Motor properties AWG size selection chart

Drive HP	230 V 3Ø AWG	460 V 3Ø AWG	575 V 3Ø AWG	Drive HP	230 V 3Ø AWG	460 V 3Ø AWG	575 V 3Ø AWG
1/4 - 3	18	18	18	60	2/0	3	4
5	14	18	18	75	4/0	2	3
7 1/2	12	18	18	100	300 MCM	1/0	2
10	10	16	18	125	500 MCM	2/0	1/0
15	8	12	14	150	*	3/0	2/0
20	6	10	12	200	*	300 MCM	4/0
25	4	8	10	250	*	400 MCM	300 MCM
30	3	8	10	300	*	*	400 MCM
40	2	6	8	350	*	*	500 MCM
50	1/0	4	6	400 - 500	*	*	*

Note: The above table references the suggested wire AWG to use based on Horse Power (HP) and the Full Load Current (FLC) times 125% per NEC Art. 430-22 (A). Amperes (FLC) were determined from NEC Art. 430-150.