



WIRE GAUGE CHART

Choosing the proper gauge wire for all connections is a critical step in the installation of your Norsk Lithium battery. Using a gauge wire that is too small for the current and length of the wire required will cause additional resistance that **MAY CAUSE FIRES** and undesirable performance of the devices powered by the battery.

Please refer to the chart below when selecting a wire gauge. The chart below is **NOT** to be considered fully-comprehensive of all wiring scenarios. It is to be utilized as a quick reference, only. If you are not qualified to select the proper gauge wire for your particular installation, please contact a qualified electrician or boat rigging professional for guidance.

TOTAL WIRE LENGTH IN FEET

MAXIMUM AMPERAGE	TOTAL WIRE LENGTH IN FEET													
	0-5'	10'	15'	20'	25'	30'	40'	50'	60'	70'	80'	90'	100'	
5A	16 AWG	16 AWG	16 AWG	14 AWG	12 AWG	12 AWG	10 AWG	10 AWG	10 AWG	8 AWG	8 AWG	8 AWG	6 AWG	
10A	16 AWG	14 AWG	12 AWG	10 AWG	10 AWG	10 AWG	8 AWG	6 AWG	6 AWG	6 AWG	6 AWG	4 AWG	4 AWG	
15A	14 AWG	12 AWG	10 AWG	10 AWG	8 AWG	8 AWG	6 AWG	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG	2 AWG	
20A	14 AWG	12 AWG	10 AWG	8 AWG	6 AWG	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG	2 AWG	2 AWG	2 AWG	
25A	12 AWG	10 AWG	8 AWG	8 AWG	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG	2 AWG	2 AWG	1 AWG	1 AWG	
30A	10 AWG	10 AWG	8 AWG	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG	2 AWG	1 AWG	1 AWG	0 AWG	0 AWG	
40A	8 AWG	8 AWG	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG	2 AWG	1 AWG	0 AWG	0 AWG	2/0 AWG	2/0 AWG	
50A	6 AWG	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG	6 AWG	1 AWG	0 AWG	2/0 AWG	2/0 AWG	3/0 AWG	3/0 AWG	
60A	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG	2 AWG	6 AWG	0 AWG	2/0 AWG	3/0 AWG	3/0 AWG	4/0 AWG	4/0 AWG	
70A	6 AWG	6 AWG	4 AWG	2 AWG	2 AWG	1 AWG	0 AWG	2/0 AWG	3/0 AWG	3/0 AWG	4/0 AWG	4/0 AWG	N/A	
80A	4 AWG	4 AWG	4 AWG	2 AWG	2 AWG	1 AWG	0 AWG	3/0 AWG	3/0 AWG	4/0 AWG	4/0 AWG	N/A	N/A	
90A	4 AWG	4 AWG	2 AWG	2 AWG	1 AWG	0 AWG	2/0 AWG	3/0 AWG	4/0 AWG	4/0 AWG	N/A	N/A	N/A	
100A	4 AWG	4 AWG	2 AWG	2 AWG	1 AWG	0 AWG	3/0 AWG	3/0 AWG	4/0 AWG	N/A	N/A	N/A	N/A	
120A	2 AWG	2 AWG	2 AWG	1 AWG	0 AWG	2/0 AWG	3/0 AWG	4/0 AWG	4/0 AWG	N/A	N/A	N/A	N/A	
150A	1 AWG	1 AWG	1 AWG	0 AWG	2/0 AWG	3/0 AWG	4/0 AWG	4/0 AWG	N/A	N/A	N/A	N/A	N/A	
200A	2/0 AWG	2/0 AWG	2/0 AWG	2/0 AWG	3/0 AWG	4/0 AWG	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
250A	3/0 AWG	3/0 AWG	3/0 AWG	3/0 AWG	4/0 AWG	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
300A	4/0 AWG	4/0 AWG	4/0 AWG	4/0 AWG	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	