

# Cable Size Comparison

System Voltage:	415V
Current:	136.0 A
Length:	123.0 m
Installation Method:	D2 - Underground in conduit
Temperature:	25.0 °C
Grouping Factor:	1.00
ADMD Enabled:	No
Diversity Factor:	1.270

Size (mm²)	Material	Cores	mV/A/m	Rating (A)	V-Drop (V)	Drop (%)	Status
1.5	Al	3C+E	29.0	16.0	750.0	180.7%	SEVERE
2.5	Al	3C+E	18.0	25.0	465.5	112.2%	SEVERE
4.0	Al	3C+E	11.0	32.0	284.5	68.6%	SEVERE
6.0	Al	3C+E	7.3	40.0	188.8	45.5%	SEVERE
10.0	Al	3C+E	4.4	63.0	113.8	27.4%	SEVERE
16.0	Al	3C+E	2.8	85.0	72.4	17.5%	SEVERE
25.0	Al	3C+E	1.8	112.0	46.6	11.2%	SEVERE
35.0	Al	3C+E	1.3	138.0	33.6	8.1%	SEVERE
50.0	Al	3C+E	1.0	168.0	25.3	6.1%	WARNING
70.0	Al	3C+E	0.7	213.0	17.8	4.3%	SUBMAIN
95.0	Al	3C+E	0.5	258.0	13.4	3.2%	SUBMAIN
120.0	Al	3C+E	0.4	299.0	10.6	2.6%	SUBMAIN
150.0	Al	3C+E	0.3	344.0	8.8	2.1%	SUBMAIN
185.0	Al	3C+E	0.3	392.0	7.2	1.7%	OK
240.0	Al	3C+E	0.2	461.0	5.7	1.4%	OK
300.0	Al	3C+E	0.2	530.0	4.7	1.1%	OK
400.0	Al	3C+E	0.1	599.0	3.9	0.9%	OK