

Cable Size Comparison

System Voltage:	415V
Current:	136.0 A
Length:	123.0 m
Installation Method:	D1 - Underground direct buried
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	717.4	172.9%	SEVERE
2.5	Al	3C+E	18.0	25.0	445.3	107.3%	SEVERE
4.0	Al	3C+E	11.0	32.0	272.1	65.6%	SEVERE
6.0	Al	3C+E	7.3	40.0	180.6	43.5%	SEVERE
10.0	Al	3C+E	4.4	63.0	108.9	26.2%	SEVERE
16.0	Al	3C+E	2.8	85.0	69.3	16.7%	SEVERE
25.0	Al	3C+E	1.8	112.0	44.5	10.7%	SEVERE
35.0	Al	3C+E	1.3	138.0	32.2	7.7%	SEVERE
50.0	Al	3C+E	1.0	168.0	24.2	5.8%	WARNING
70.0	Al	3C+E	0.7	213.0	17.1	4.1%	SUBMAIN
95.0	Al	3C+E	0.5	258.0	12.9	3.1%	SUBMAIN
120.0	Al	3C+E	0.4	299.0	10.1	2.4%	SUBMAIN
150.0	Al	3C+E	0.3	344.0	8.4	2.0%	SUBMAIN
185.0	Al	3C+E	0.3	392.0	6.9	1.7%	OK
240.0	Al	3C+E	0.2	461.0	5.4	1.3%	OK
300.0	Al	3C+E	0.2	530.0	4.5	1.1%	OK
400.0	Al	3C+E	0.1	599.0	3.7	0.9%	OK