

# Cable Size Comparison

System Voltage:	415V
Current:	136.0 A
Length:	12.0 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	73.2	17.6%	SEVERE
2.5	Al	3C+E	18.0	25.0	45.4	10.9%	SEVERE
4.0	Al	3C+E	11.0	32.0	27.8	6.7%	WARNING
6.0	Al	3C+E	7.3	40.0	18.4	4.4%	SUBMAIN
10.0	Al	3C+E	4.4	63.0	11.1	2.7%	SUBMAIN
16.0	Al	3C+E	2.8	85.0	7.1	1.7%	OK
25.0	Al	3C+E	1.8	112.0	4.5	1.1%	OK
35.0	Al	3C+E	1.3	138.0	3.3	0.8%	OK
50.0	Al	3C+E	1.0	168.0	2.5	0.6%	OK
70.0	Al	3C+E	0.7	213.0	1.7	0.4%	OK
95.0	Al	3C+E	0.5	258.0	1.3	0.3%	OK
120.0	Al	3C+E	0.4	299.0	1.0	0.2%	OK
150.0	Al	3C+E	0.3	344.0	0.9	0.2%	OK
185.0	Al	3C+E	0.3	392.0	0.7	0.2%	OK
240.0	Al	3C+E	0.2	461.0	0.6	0.1%	OK
300.0	Al	3C+E	0.2	530.0	0.5	0.1%	OK
400.0	Al	3C+E	0.1	599.0	0.4	0.1%	OK