

Cable Size Comparison

System Voltage:	415V
Current:	165.0 A
Length:	234.0 m
Installation Method:	D2 - Underground in conduit
Temperature:	25.0 °C
Grouping Factor:	1.00
ADMD Enabled:	No
Diversity Factor:	1.210

Size (mm²)	Material	Cores	mV/A/m	Rating (A)	V-Drop (V)	Drop (%)	Status
1.5	Al	3C+E	29.0	16.0	1730.3	416.9%	SEVERE
2.5	Al	3C+E	18.0	25.0	1074.0	258.8%	SEVERE
4.0	Al	3C+E	11.0	32.0	656.3	158.1%	SEVERE
6.0	Al	3C+E	7.3	40.0	435.6	105.0%	SEVERE
10.0	Al	3C+E	4.4	63.0	262.5	63.3%	SEVERE
16.0	Al	3C+E	2.8	85.0	167.1	40.3%	SEVERE
25.0	Al	3C+E	1.8	112.0	107.4	25.9%	SEVERE
35.0	Al	3C+E	1.3	138.0	77.6	18.7%	SEVERE
50.0	Al	3C+E	1.0	168.0	58.5	14.1%	SEVERE
70.0	Al	3C+E	0.7	213.0	41.2	9.9%	SEVERE
95.0	Al	3C+E	0.5	258.0	31.0	7.5%	SEVERE
120.0	Al	3C+E	0.4	299.0	24.5	5.9%	WARNING
150.0	Al	3C+E	0.3	344.0	20.3	4.9%	SUBMAIN
185.0	Al	3C+E	0.3	392.0	16.7	4.0%	SUBMAIN
240.0	Al	3C+E	0.2	461.0	13.1	3.2%	SUBMAIN
300.0	Al	3C+E	0.2	530.0	10.7	2.6%	SUBMAIN
400.0	Al	3C+E	0.1	599.0	8.9	2.2%	SUBMAIN