

The graph displays the relationship between current I (in kA) and impedance Z (in Ohm) for a 10kV busbar. The y-axis represents current I in kA, ranging from 20 to 35. The x-axis represents impedance Z in Ohm, ranging from 1 to 12. Nine curves are plotted, labeled 1 through 9, corresponding to different fault locations. The curves show that as the fault location number increases, the impedance at a given current level also increases.

Curve Number	Approximate Z (Ohm) at $I = 20$ kA	Approximate Z (Ohm) at $I = 35$ kA
1	5.1	1.8
2	5.8	2.5
3	6.8	3.2
4	7.2	3.6
5	7.7	4.1
6	8.2	4.6
7	8.7	5.1
8	9.3	5.7
9	9.8	6.2

