

Appendix A Maximum Volt Drop For Service Main Cables

Category: 03 - Distribution Criteria

Activity: 03.01 - Overhead and Underground Distribution

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1. Volt Drop Table

3 Phase House - Based on 21A/ph Unbalanced		
	3% Volt Drop	6% Volt Drop
10mm ² N/sc	Max. 77m	155m
16mm ² N/sc	122m	244m
25mm ² N/sc	187m	373m
50mm ² A1 Kutu u/g	198m	397m
70mm ² A1Rango u/g	265m	529m
100mm ² A1 Beetle u/g	349m	698m
2 Phase House - Based on 32A/ph Unbalanced		
	3% Volt Drop	6% Volt Drop
10mm ² N/sc	Max. 52m	103m
16mm ² N/sc	81m	163m
25mm ² N/sc	124m	249m
50mm ² A1 Kutu u/g	132m	265m
70mm ² A1Rango u/g	176m	353m
100mm ² A1 Beetle u/g	233m	465m
1 Phase House - Based on 65A		
	3% Volt Drop	6% Volt Drop
10mm ² N/sc	Max. 26m	52m
16mm ² N/sc	41m	81m
25mm ² N/sc	62m	124m
50mm ² A1 Kutu u/g	66m	132m
70mm ² A1Rango u/g	88m	176m
100mm ² A1 Beetle u/g	116m	233m