

Voltage Drop Calculation Report

Inputs

Parameter	Value
System voltage	120 V
Phase	Single-phase (1Φ)
Conductor	Copper (Cu)
Size (AWG/kcmil)	12 AWG
Load current	20 A
One-way distance	100 ft

Results

Result	Value
Voltage drop	7.90 V
Percent	6.58 %
Voltage at load	112.10 V

Exceeds recommended 3% branch limit (NEC 210.19)