

VOLTAGE DROP CALCULATIONS

FCPS1

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Circuit 4

Amperage 1.49
Length of Run 122

Voltage Drop **3.98%**

VDC Applied **19.45**

Circuit 5

Amperage 1.62
Length of Run 148

Voltage Drop **5.25%**

VDC Applied **19.14**

Circuit 6

Amperage 1.49
Length of Run 175

Voltage Drop **5.71%**

VDC Applied **19.03**

Circuit 7

Amperage 0.777
Length of Run 167

Voltage Drop **2.84%**

VDC Applied **19.72**

Voltage Drop Parameters:
16 VDC = Minimum Power to any Appliance
4.4 VDC = Maximum Permissible Voltage Drop in Wiring System
20.4 VDC = Reduced Battery Potential at End of Life