## Cable Calculation for Single Phase Supply

|  | Must be filled in beforehand |
| :--- | :--- |
|  | Must be added to during Calculation |
|  | Results to be used in conjunction with design |


| Ze | Design Voltage | Power of unit(s) in Watts | Length of Run |
| :---: | :---: | :---: | :---: |
| 0.04 | 230 | 1584 | 50 |



## Calculation

| $\mathrm{Ib}=\mathrm{W} / \mathrm{V}$ | $\mathrm{Ib}=$ | 6.89 AMPS |
| :---: | :---: | :---: |
| $\mathrm{In}=\mathrm{Ib}$ | $\mathrm{In}=$ | 10 AMPS |
| $\mathrm{It}=\mathrm{In} / \mathrm{Cf}$ | $\mathrm{It}=$ | 13.89 AMPS |
| Voltage Drop = | $\mathrm{mv} / \mathrm{a} / \mathrm{mtr} * \mathrm{l}$ *II | 6.20 Volts |
|  | 1000 |  |
| or |  |  |
| Length Allowed = | $\frac{9.2^{*} 1000}{\mathrm{mv} / \mathrm{a} / \mathrm{mtr} \mathrm{lb}}$ | 74.21 Metres |
| Zs = | $\mathrm{Ze}+(\mathrm{R} 1+\mathrm{R} 2){ }^{*} 1.2$ | 1.17 Ohms |

