

VOLT DROP CALCULATIONS

For information, (extra low voltage dc only) the volt drop on load may be calculated by using the following formula: -

$$E = \frac{0.0164 \times I \times L}{S}$$

Where

E = Volts drop in volts

S = the conductor cross-section area in square millimetres

I = the load current in amperes

L = the total length, in metres, of conductor from the positive power source Connection to the electrical device and back to the negative source connection.