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nucleus of an atom. Molality (m)—(gram  
moles of solute)/(kilograms of solvent).  
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trials  $p$  = probability of a success  $-p$  = probability of failure  $k$  = number of

successes  $n$  = number of trials.

Independent Events.  $P(A \text{ and } B \text{ and } C) = P(A)$ .

## **Engineering Formula Sheet**

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is needed, the following formula can be used:  $I C = L \times C \times E N$   $2,650^{-6} \times 10$   $I C$  = Charging current (amperes/circuit length)  $L$  = Circuit length (in feet)  $C$  = Cable capacitance (picofarads/ft)  $E N$  = Voltage to Neutral (volts) This equation is specific to a 60 hertz frequency. The capacitance (C) values needed in the calculation can be obtained

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