

100

insulator aluminum cable

$$I = \frac{30000 e^{-0.05x}}{0.05} \text{ m} \quad (\text{at } x=0, \text{ I is } 600,000)$$

Case 1 - number 36' empty

$$I = \frac{30000 e^{-0.17 \times 8000}}{26^2} = \frac{30000 e^{-1360}}{676}$$

$$= 7 \times 10^{-5}$$

$$I = \frac{3.00 \times 10^3 \text{ C}}{3.24} = 927 \text{ C}$$

B-233