VOLTAGE DROP

CIRCUITS	VOLTAGE	FORMULAS	RESULT
3 PHASE	220 / 380	$\%e = \frac{100L.N.}{K.S.U^2} = \frac{5}{56.S.(380)^2}$ 10 L.N (kW)	0,0124 L.N / S
1 PHASE		$\%e = \frac{200L.N.}{K.S.U^2} = \frac{5}{56.S.(220)^2}$ 2x10 L.N (kW)	0,074 L.N / S
2 PHASE		$\%e = \frac{100L.N}{2\ K.S.U^2}$ $\frac{100L.N}{K.S.U^2} = \frac{4}{56.S.(220)^2}$ 15.10 L.N.	0,056 L.N / S
3 PHASE	24 / 42	$\%e = \frac{100L.N.}{K.S.U^2} = \frac{5}{56.S.(42)^2}$ 10 L.N (kW)	1 L.N / S
1 PHASE		$\%e = \frac{200L.N.}{K.S.U^2} = \frac{5}{56.S.(24)^2}$ 2.10 L.N (kW)	6.2 L.N / S

%e = VOLTAG DROP.....(%)
N = POWER.....(kW)
U = VOLTAGE.....(Volt)

L = LINE DISTANCE.....(m)
S = CONDUCTOR CROSS-SECTION.....(mm^2)
K = COEFFICIENT OF CONDUCTIVITY .....(m/mm^2)