## Cable Calculation for Three Phase Supply

	Must be filled in beforehand
ĺ	Must be added to during Calculation
ĺ	Results to be used in conjunction with design

Ze	Design Voltage	Power in Watts	Pf.	Length of Run
0.12	400	7500	0.7	100

Type of Protection				Characteristics of Cable		Correction Factors (Cf)			
	Type	Rating	Zs						
BSEN60989	С	10	ô	4.8	Size	1.5	mm	Ca	1
BSEN60947					Volt Drop	25	ma	Ci	1
BS 88-2.1					R1 + R2	24.2	m.ohms/Mtr	Cg	1
								_	
BS3036								Cr	1

## Calculation

Ib = W/VIb = 15.47 AMPS In = IbIn = 16 AMPS It = In/CfIt = 16 AMPS Voltage Drop mv/a/mtr\*1\*I 38.66 Volts 1000 Length Allowed = 16\*1000 23.80 Metres mv/a/mtr\*lb Zs Ze + (R1+R2) \* 1.2 2.90 Ohms 1000

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