MULTIPLICATION FACTORS FOR CABLE LENGTH



CSA of SECOND CONDUCTOR

	mm²	1	1.5	2.5	4	6	10	16	25
	1	27.8							
	1.5	33.2	41.4						
	2.5		51.3	67.5					
	4			83.2	108.5				
	6			95.4	130.1	162.4			
	10				155.3	203.7	273.3		
,	16					236.5	335.6	434.8	
	25	©	LearnElectrics.cor	n			391.1	532.8	687.8

SELECT multiplication factor from first and second conductor size

Multiply measured/combined resistance (R1+R2 – R1+Rn) of both conductors by this factor

Answer is circuit length to within 1 metre approximately

e.g. measured R1+R2 for 2.5/1.5 T/E is $1.07\Omega = 1.07 \times 51.3 = 55$ metres

CSA of FIRST CONDUCTOR