

Table 7.3 – The maximum length of SELV circuit between the source and the load and the minimum size of SELV conductors for different lighting loads and voltages

1	2	3	4	5	6	7	8	9
Lighting load	Maximum length of circuit between the source and the load							
	1,5 m		2,5 m		5 m		10 m	
	Minimum conductor size mm ²							
	Different circuit voltages							
	VA	12 V	24 V	12 V	24 V	12 V	24 V	12 V
20	1,5	1,5	1,5	1,5	1,5	1,5	4	1,5
40	1,5	1,5	1,5	1,5	2,5	1,5	6	2,5
50	1,5	1,5	1,5	1,5	4	2,5	6	4
60	1,5	1,5	2,5	1,5	4	2,5	10	4
75	1,5	1,5	2,5	1,5	6	2,5	10	6
80	1,5	1,5	2,5	1,5	6	4	10	6
100	2,5	1,5	4	2,5	6	4	16	6
120	2,5	1,5	4	2,5	10	4	16	10
140	4	1,5	6	2,5	10	6	25	10
150	4	1,5	6	2,5	10	6	25	10
160	4	1,5	6	2,5	10	6	25	10

Table 7.3 (concluded)

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Lighting load	Maximum length of circuit between the source and the load							
	1,5 m		2,5 m		5 m		10 m	
	Minimum conductor size mm ²							
	Different circuit voltages							
	VA	12 V	24 V	12 V	24 V	12 V	24 V	12 V
180	4	2,5	6	4	16	6	25	16
200	4	2,5	10	4	16	10	25	16
250	6	2,5	10	4	16	10	35	16
300	6	4	10	6	25	10	50	25

NOTE These values include the voltage drop calculations and have taken the length of both supply and return conductors of the circuit into account.