

SWITCH LIGHTING is proud to be New Zealand's leading LED Luminaire manufacturer. *Winners of Innovation Award / Finalist in Medium Business Category.*

# Constant Current Cable Size Guide

## Use with Constant Current Power Supplies & LED Lights from Switch Lighting (eg SL201, etc)

- 1) Check the required current for the lights being used (eg SL201 & SL204 use 350mA)
- 2) Read across the row for this current until the indicated cable length is greater than your requirements.
- 3) Read up that column to identify the minimum cable cross sectional area (CSA).

### Example:

A series of SL201 Lights (350mA) are to be installed in an installation requiring a total of 50m of cable run  
 Read across the Table row for 350mA until a figure greater than 50m is found (eg 60m)  
 Read up the column from the 60m value to find the cable size should be at least 0.5mm<sup>2</sup>

**Table 1 : Maximum Total Cable Length (m) vs Total LED Current and Cable CSA (mm<sup>2</sup>)**

*Note: Table gives end to end length (not loop)*

Max. Cable Length (m) vs Current and Cable Size					
Current	Cable Size (mm <sup>2</sup> )				
	0.3mm <sup>2</sup>	0.5mm <sup>2</sup>	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
350mA	35m	60m	120m	190m	320m
700mA	20m	30m	60m	95m	160m