

Circular No: RD/E01/2009  
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To: All Licensed Electrical Workers

Dear Sirs

**NEW CABLE COLOUR CODE FOR ELECTRICAL INSTALLATIONS  
AND GUIDELINES FOR SOLAR PHOTOVOLTAIC SYSTEMS**

Amendment No. 1: 2008 to CP 5: 1998 Code of practice for electrical installations has been published by SPRING Singapore. The amendment covers (i) change in the cable colour code for electrical installations and (ii) technical guidelines for solar photovoltaic power supply system.

Change in Cable Colour Code

2 The existing cable colour code for electrical installations stipulated in CP5:1998 has been amended to align our local cable colour code with international standards and at the same time, to address our local needs and practices so that the standard of electrical safety will not be compromised with this change. The “Supplementary guide to revised cable colour code” which is incorporated in the Amendment No. 1, provides pictorial illustrations on how to apply the requirements of new cable colour code under various scenarios.

3 You may start using the new cable colour code from 1 March 2009. To minimize disruption to existing projects and for the industry to adapt to the change in cable colour code, there will be a transition period of 24 months before the new cable colour code is made mandatory. During the transition period from 1 March 2009 up to 28 February 2011, you may use either the existing cable colour code or the new cable colour code but not both for each of your projects. After the transition period, that is, from 1 March 2011 onwards, all new installations, replacements or extensions will have to comply with the new cable colour code.

4 You are advised to familiarise yourself with the new cable colour code. EMA will be co-organising briefing sessions with SPRING Singapore for all licensed electrical workers in the next few months. You are encouraged to attend the briefing. Details of the briefing sessions will be published on the ELISE web page for cable colour code at [www.ema.gov.sg](http://www.ema.gov.sg).

### Solar Photovoltaic Systems

5 A new section on solar photovoltaic systems in the Amendment No. 1 sets out the requirements for solar photovoltaic systems and their integration with electrical installations to ensure the safe use of such systems in electrical installations. All stakeholders involved shall comply with the technical requirements with immediate effect if a solar photovoltaic system is to be used as part of an electrical installation.

6 For further clarification, please contact us at our hotline at Tel: 68358048, or email to [EMA\\_RD\\_ELISE@ema.gov.sg](mailto:EMA_RD_ELISE@ema.gov.sg)

Yours faithfully,

YEO YEK SENG  
DEPUTY CHIEF EXECUTIVE  
REGULATION DIVISION