

### Flexible power cords for electrical appliances

The change in cable colour code does not apply to flexible power cords for electrical appliances.

### Warning notice at distribution boards

Where new circuits using the new colour code are to be added to existing electrical installations with circuits in the old cable colour code, the licensed electrical worker responsible for the work will have to do the necessary colour marking on the cables and place a warning notice (see below) on the relevant distribution boards.

## CAUTION

This installation has wiring colours to two versions of Code of practice for electrical installations (CP 5). Great care should be taken before undertaking extension, alteration or repair that all conductors are correctly identified.

More details are available at EMA website at [www.ema.gov.sg](http://www.ema.gov.sg).

For enquiries on new cable colour code:

- Hotline (during office hours): 68358048
- Email: [ema\\_rd\\_elise@ema.gov.sg](mailto:ema_rd_elise@ema.gov.sg)









# New Cable Colour Code For Electrical Installations









The cable colour code for fixed electrical wiring stipulated in the Singapore Standard CP5:1998 Code of practice for electrical installations has been changed to align with international standards such as BS 7671 and IEC 60446. Cable colour code is for identification of conductors used in electrical installations.



## CABLE COLOUR CODE WILL BE CHANGED TO ALIGN WITH INTERNATIONAL STANDARDS.

Old Cable Colour Code		
	Single Phase	Three Phase
Phase Conductor (Line)	 Red or	 Line 1 Red
	 Yellow or	 Line 2 Yellow
	 Blue	 Line 3 Blue
Neutral Conductor	 Black	
Protective Conductor (Earth)	 Green-and-Yellow	

From 1 Mar 2009 onwards, all new electrical installations, including addition and alteration to existing electrical installations, may use new colour cables of brown, black, grey (for line), blue (for neutral) and green-and-yellow (for earth) as set out in the amended SS CP5: 1998.

New Cable Colour Code		
	Single Phase	Three Phase
Phase Conductor (Line)	 Brown	 Line 1 Brown
		 Line 2 Black
		 Line 3 Grey
Neutral Conductor	 Blue	
Protective Conductor (Earth)	 Green-and-Yellow	

### Transition for the change in cable colour code

A transition period of 24 months from 1 Mar 2009 to 28 Feb 2011 is given before the new cable colour becomes mandatory on 1 Mar 2011.

During the transition period, either the old or new cable colour code may be used.

Starting from 1 Mar 2011, the new cable colour code shall be used in all new electrical installations, as well as addition and alteration to existing electrical installations.

