

IEE WIRING REGULATIONS BS7671:2008

CABLE COLOUR CODE



The **previous/existing** cable colour code (red, yellow, blue, black and green/yellow) used in Brunei Darussalam originates from the British Standards.

The IEE Wiring Regulations has harmonized with the IEC and CENELEC Standards effective from 1st April 2006. The new colour is brown, black, grey, blue and green/yellow.

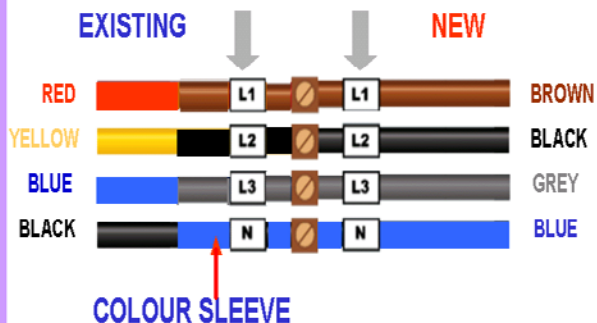
New Cable Colours for Fixed Wiring in BS 7671 / Cable Colours for Fixed Wiring in CENELEC Standard			
System	Phase Conductors	Neutral Conductors	Protective Conductors
Single Phase			
3 Phase	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">L1 </div> <div style="text-align: center;">L2 </div> <div style="text-align: center;">L3 </div> </div>		

Cable Colours for Flexible Cords of Electrical Appliances in Brunei Darussalam and CENELEC Standard (Unchanged)		
Phase Conductors	Neutral Conductors	Protective Conductors

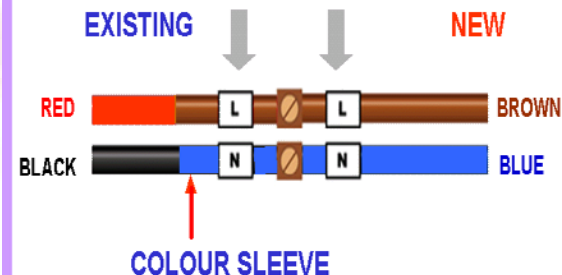
Function	Alpha-numeric	Old Conductor Colour	New Conductor Colour
Protective conductor Functional earthing conductor		Green-yellow Cream	Green-yellow Cream
AC Power Circuit Single Phase Circuit			
- Phase	L	Red	Brown
- Neutral	N	Black	Blue
Three Phase Circuit			
- Phase 1	L1	Red	Brown
- Phase 2	L2	Yellow	Black
- Phase 3	L3	Blue	Grey
- Neutral	N	Black	Blue
DC Two-Wire Unearthed Circuit			
- Positive	L+	Red	Brown
- Negative	L-	Black	Grey
DC Two-Wire Earthed Circuit			
- Positive (of negative earth)	L+	Red	Brown
- Negative (of negative earth)	M	Black	Blue
- Positive (of positive earth)	M	Black	Blue
- Negative (of positive earth)	L-	Blue	Grey
DC Three-Wire Circuit			
- Positive	L+	Red	Brown
- Mid-wire (may be earthed)	M	Black	Blue
- Negative	L-	Blue	Grey

OLD TO NEW COLOUR CODE IDENTIFICATION & MARKING

THREE PHASE CIRCUITS



SINGLE PHASE CIRCUIT



CABLE COLOUR CODE



What are the changes?

The BS & IEC had harmonised to one common standards within Europe

- a) CENELEC Standard HD 384.5.514: Identification including 514.3: Identification of conductor
- b) CENELEC Harmonization Document HD 308 S2: 2001 Identification of cores in cables and flexible cords.

	Earth	Neutral	L1	L2	L3
	Green/Yellow	Black	Red	Yellow	Blue
OLD					
	Green/Yellow	Blue	Brown	Black	Grey
NEW					

The phase conductor cables with **old** colour code shall be installed with **“new colour sleeve/tape”** at **both ends** of the phase conductor.