

Specification for

Colour code for road vehicle electrical cables

UDC 629.113.066:621.315.2-777.6

Confirmed
December 2011

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Automobile Standards Committee (AUE-) to Technical Committee AUE/16 upon which the following bodies were represented:

- Association of Trailer Manufacturers
- Department of Transport
- Electric Cable Makers' Confederation
- National Caravan Council Limited
- Society of Motor Manufacturers and Traders Limited

This British Standard, having been prepared under the direction of the Automobile Standards Committee, was published under the authority of the Board of BSI and comes into effect on 30 December 1983

First published February 1963
First revision June 1968
Second revision December 1983

© BSI 02-2000

The following BSI references relate to the work on this standard:
Committee reference AUE/16
Draft for comment 81/71785 DC

ISBN 0 580 13554 3

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Cable colours	1
Figure 1 — Basic circuits	8
Figure 2 — Supplementary circuits	9
Table 1 — Cable colour code	1

Foreword

This British Standard has been prepared under the direction of the Automobile Standards Committee. It supersedes BS AU 7:1968 which is withdrawn. This revision brings the standard up to date with subsequent developments in vehicle electrical equipment.

For the information of the user the destinations of the cables in the previous 1968 edition of this standard have been included. New cables, reference numbers 121 to 133, have been added to this standard.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 9 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope

This British Standard specifies requirements for a colour code for electrical cables used in road vehicles that identifies each circuit by the colour of the cables used.

NOTE Due to the variation in design of some components, such as windscreen wiper motors, it is not possible to include all switches and internal wiring arrangements. The component manufacturers should be consulted for further details.

2 Cable colours

Cable colours for related cable functions shall be as specified in Table 1 and in Figure 1, for basic circuits; and Table 1 and Figure 2, for supplementary circuits.

Where two colours are specified, the first colour shall be the primary colour and the second colour shall be the tracer.

Table 1 — Cable colour code

Cable ref. no.	Cable colour	Cable destination	Cable destination in 1968 version of BS AU 7 (for information)
1	Brown	Main battery feed	Main battery feed
2	Brown with blue	Control box (compensated voltage control only) to ignition and lighting switch (feed)	Control box (compensated voltage control only) to ignition and lighting switch (feed)
3	Brown with red	Compression ignition starting aid to switch. Main battery feed to double pole ignition switch	Compression ignition starting aid to switch. Main battery feed to double pole ignition switch (a.c. alt, system)
4	Brown with purple	Alternator regulator feed	Alternator regulator feed
5	Brown with green	Dynamo "F" to control box "F". Alternator field "F" to control box "F"	Dynamo "F" to control box "F". Alternator field "F" to control box "F"
6	Brown with light green	Spare	Screenwiper motor to switch (now transferred to cable ref. nos. 122, 123 and 124)
7	Brown with white	Ammeter to control box. Ammeter to main alternator terminal	Ammeter to control box Ammeter to main alternator
8	Brown with yellow	Alternator to "no change" warning light	Dynamo "D" to control box "D" and ignition warning light. Alternator neutral point
9	Brown with black	Alternator battery sensing lead	Alternator warning light, negative side
10	Brown with pink	Spare	Spare
11	Brown with slate	Starter relay contact to starter solenoid	Spare
12	Brown with orange	Fuel shut-off (diesel stop)	Spare
13	Blue	Lighting switch (head) to dipper switch	Lighting switch (head) to dipper switch
14	Blue with brown	Headlamp relay to headlamp fuse	Spare
15	Blue with red	Dipper switch to headlamp dip beam fuse. Fuse to right-hand dip headlamp	Dipper switch to headlamp dip beam. Headlamp dip beam fuse to right-hand headlamp (when independently fused)
16	Blue with purple	Spare	Spare
17	Blue with green	Spare	Spare
18	Blue with light green	Headlamp wiper motor to headlamp wash pump motor	Screenwiper motor to switch