

1969/178



THE ELECTRICAL WIRING REGULATIONS 1961,
AMENDMENT NO. 8

ARTHUR PORRITT, Governor-General

By his Deputy
RICHARD WILD

ORDER IN COUNCIL

At the Government House at Wellington this 8th day of September 1969

Present:

HIS EXCELLENCY THE GOVERNOR-GENERAL IN COUNCIL

PURSUANT to the Electricity Act 1968, His Excellency the Governor-General, acting by and with the advice and consent of the Executive Council, hereby makes the following regulations.

REGULATIONS

1. Title and commencement—(1) These regulations may be cited as the Electrical Wiring Regulations 1961, Amendment No. 8, and shall be read together with and deemed part of the Electrical Wiring Regulations 1961* (hereinafter referred to as the principal regulations).

(2) These regulations shall come into force on the day after the date of their notification in the *Gazette*.

2. Compliance with standard specifications—Regulation 18 of the principal regulations, as substituted by regulation 3 of the Electrical Wiring Regulations 1961, Amendment No. 6, is hereby amended by omitting from subclause (1) the words “‘Index of Standards Association of New Zealand Publications 1967’” and substituting the words “‘Standards Association of New Zealand Index 1969’”.

3. Identification of conductors—(1) The principal regulations are hereby amended by revoking regulation 61, and substituting the following regulation:

“61. (1) Throughout an installation, conductors of cables used for fixed wiring shall, subject to the exemptions provided for in subclause (5) of this regulation, be identifiable by one of the following methods:

*S.R. 1961/8

Amendment No. 1: S.R. 1961/130

Amendment No. 2: S.R. 1965/43

Amendment No. 3: S.R. 1965/114

Amendment No. 4: S.R. 1965/180

Amendment No. 5: S.R. 1967/99

Amendment No. 6: S.R. 1968/59

Amendment No. 7: S.R. 1969/35

“(a) The colour of the insulation or covering:

“(b) The colour of an insulating-sleeve fitted on the dielectric or on the conductor where it emerges from the dielectric:

“(c) A system of numbers where such is the prescribed method for a cable in the appropriate New Zealand standard specification:

“(d) Some other approved method.

“(2) Where, for the purposes of subclause (1) of this regulation, the identification of conductors is by colour,—

“(a) The colour black shall be used only, and no other colour shall be used, for neutral or any other earthed conductors, the middle wire of a direct current or single-phase alternating current three-wire system, and the negative of a direct current two-wire system; and

“(b) The colour green or the colours green and yellow in combination shall be used only, and no other colour shall be used, for earthing conductors.

“(3) The core conductors of flexible cables other than flexible cords may, subject to the exemptions provided in subclause (5) of this regulation, be of any colour:

Provided that the colour green or the colours green and yellow in combination shall be used only, and no other colour shall be used, for earth-continuity-conductors.

“(4) The core conductors of flexible cords shall, subject to the exemptions provided for in subclause (5) of this regulation, be identifiable throughout their length by the colour of the insulation or covering of the conductors as follows:

“(a) For single phase three-core flexible cords the following combination of colours—

Either:

Phase conductor	.....	.....	.....	red
Neutral conductor	.....	.....	.....	black
Earth-continuity conductor	.....	.....	.....	green

Or

Phase conductor	.....	.....	.....	brown
Neutral conductor	.....	.....	.....	blue
Earth-continuity conductor	.....	.....	.....	green and yellow:

“(b) For any flexible cords other than that specified in paragraph (a) of this subclause, core conductors may be of any colour:

Provided that the colour green or the colours green and yellow in combination shall be used only, and no other colour shall be used, for earth-continuity conductors.

“(5) Conductors used for the purposes specified in subclause (6) of this regulation shall be exempt from compliance with subclauses (1), (2), (3), and (4) of this regulation:

“Provided that, where there is more than one conductor, all shall be of the one colour; and for this purpose bare conductors shall be considered to be uncoloured.

“(6) Subclause (5) of this regulation shall apply to conductors which are of the following types or are used for the following purposes:

“(a) Aerial conductors:

- “(b) Bare earthing conductors enclosed within the sheath of metal-sheathed, tough-rubber-sheathed, or P.V.C.-sheathed cables:
- “(c) Conductors used for high-voltage or extra-high-voltage electric-discharge-lamp wiring:
- “(d) Conductors used as an integral part of the internal wiring of apparatus and appliances:
- “(e) Two-core flexible cord connected to the supply by means of a reversible plug or adaptor:
- “(f) Two core flexible cord—
- “(i) In which the provision for identifying the manufacturer is also suitable as a means of identifying the conductors; or
- “(ii) Which has one tinned and one untinned copper conductor; or
- “(iii) Of the flat twin type which has a longitudinal rib along the outer covering of one of the cores.
- “(7) The colours green and yellow in combination used for the identification of the earth-continuity conductor in a flexible cable or cord shall be clearly discernible and on any length of 0.6 in. of the core one of the colours green or yellow shall cover not less than 30 percent, and not more than 70 percent, of the surface of the core, the other colour covering the remainder of the surface.”
- (2) The following regulations are hereby consequentially revoked:
- (a) Regulation 9 of the Electrical Wiring Regulations 1961, Amendment No. 2:
- (b) Regulation 21 of the Electrical Wiring Regulations 1961, Amendment No. 7.

J. M. K. HILL,

for Clerk of the Executive Council.

EXPLANATORY NOTE

This note is not part of the regulations, but is intended to indicate their general effect.

These regulations amend the principal regulations so as to bring up to date a reference to the index of the Standards Association of New Zealand and to permit the use in New Zealand of the colour code for flexible cables and flexible cords recently adopted in the United Kingdom and Europe.

Issued under the authority of the Regulations Act 1936.

Date of notification in *Gazette*: 11 September 1969.

These regulations are administered in the New Zealand Electricity Department.