

HANDOUT: Navigating Codes (3 pages)
 Skill Builders: Key Words & Phrases, Skimming, Scanning, Navigating Regulations

IN THE WORKPLACE: The object of the Electrical Code is to establish safety standards for the installation and maintenance of electrical equipment in order to prevent fire and shock hazards, as well as ensure proper maintenance and operation. It is the responsibility of apprentices and journeypersons to be certain their work is consistent with the latest version of the Code.

Refer to the article **Tips for Navigating the Electrical Code** to complete the tasks and locate answers to the questions.

1. In what Part of the Code will you find information on the following?
 - a) Transmission circuit safety _____
 - b) Standards that cover all electrical installations _____
 - c) Residential inspections _____
 - d) Objective-based standards _____

2. Why are there no sections 11 or 13 in the Code Book?

3. How are changes from the previous versions of the Code indicated?

4. Complete the following table.

00-000	_____
_____	Subrule
_____	Item
(i)	Item
(A)	_____

5. Use the excerpt from the Code to answer the following.

- a) In what section is this rule? _____
- b) How many subrules are there? _____
- c) Which subrule contains items? _____
- d) Where can you find more information? _____
- e) Which subrule overrides subrule 1)? _____
- f) Which subrule is a change from the previous version? _____

12-510 Running of cable between boxes and fittings (see Appendices B and G)

Δ 1) Where the cable is run between boxes and fittings, it shall be supported by straps, Type 2S or 21S cable ties, or other devices located

- a) within 300 mm of every box or fitting; and
- b) at intervals of not more than 1.5 m throughout the run.

2) Cables run through holes in joists or studs shall be considered to be supported.

3) Notwithstanding Subrules 1) and 2), where the cable is run as concealed wiring such that it is impracticable to support it, and where metal sheeting or cladding, metal joists, metal top or bottom plates, or metal studs are not used, the cable shall be permitted to be fished and need not be supported between boxes and fittings.

Tips for Navigating the Electrical Code

Navigating the Code Book can be an intimidating exercise. These 4 tips can make it easier.

1. Understanding the Parts

The Canadian Electrical Code is published in several parts: Part I is the safety standard for electrical installations. Part II is a collection of individual standards for the evaluation of electrical equipment or installations. Part III is the safety standard for power distribution and transmission circuits. Part IV is a set of objective-based standards that may be used in certain industrial or institutional installations. Part VI establishes standards for the inspection of electrical installation in residential buildings.

2. Code Format

The Code Book is divided into numbered sections, each section covering a main component of electrical work. The general sections of the code book are 0, 2, 4, 6, 8, 10, 12, 14, 16 and 26. All other sections supplement or amend the general section. Rules found in the supplementary section overrule general section rules.

Even numbers have been used to identify sections and rules throughout the code with one exception being 38 which has odd numbered rules within it. The format was used to allow room for further expansion of new rules, as odd numbers.

3. Subdivision of Rules

The first two digits of the rule number represent the section number. Rules are divided as follows:

00-000	Rule
(1)	Subrule
(a)	Item
(i)	Item
(A)	Item

4. Changes to Rules

When a change in a rule has occurred from the previous version of the code book to the existing version identified by the delta symbol in the margin “ Δ ”. Remember, delta Δ means change.

Adapted from <https://www.electricalxamprepcanada.com/3-tips-on-using-the-canadian-electrical-code-book/> and https://en.wikipedia.org/wiki/Canadian_Electrical_Code