

Introduction to Conductors



ESA offers Electricians, Electrical Apprentices, Electrical Engineers, Electrical Designers, Senior Electrical Personnel and Health & Safety Professionals a ½ day on-site training course. Ask your Client Safety Specialist for details.

Use the Ontario Electrical Safety Code to correctly choose and configure conductors for various installations.



Introduction to Conductors

CEU Accreditation: 0.4
MECP Course ID: 12267

LEARNING OBJECTIVES:

Review the Ontario Electrical Safety Code rules relating to conductors.

Identify the rules that apply to selection, rating and installation of conductors.

Describe how to use various tables and diagrams in the Ontario Electrical Safety Code to correctly choose and configure conductors for various installation types.

TOPICS:

- Types of conductors
- Conductor ampacities
 - Use of conductor ampacities tables
 - Determining current carrying conductors



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Training is a non-regulatory service offered by the Electrical Safety Authority (ESA). For more information visit www.esasafe.com/about-esa/non-regulatory.

MISSION: Improve electrical safety for the well-being of the people of Ontario.

VISION: An Ontario where people can live, work and play safe from electrical harm.

FORM 1803 (02/08/21)

TOPICS (Continued):

- Application of correction factors
- Neutral supported cables
- Equipment termination temperature
 - Service and feeder conductor size for residential
- Circuit loading
- Overcurrent protection of conductors
- Flexible cords and portable power cables

WHAT TO BRING:

- Ontario Electrical Safety Code (27th Edition) – You are required to bring the 2018 Ontario Electrical Safety Code book with you to the course.
- Pen, pencil, highlighter
- Calculator
- Ontario Electrical Safety Code Bulletins

REGISTRATION FEES:

- Half-day public (Classroom) course: \$164.00 + applicable taxes, per person
- To request a quote for a private course, contact a Client Safety Specialist at CSS.ContactUs@electricalsafety.on.ca
- \$10 CSA National Code License Fee + applicable taxes, applies per person
- Training registration cancellation requests will be subject to a refund processing fee of \$28 + applicable taxes.

PLEASE NOTE: This course does not attempt to render engineering or other professional services. If such services are required, the assistance of an appropriate professional should be sought.

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