



ESA

**Electrical Safety
Mining Services Group**

Mining Services - Training Module

Wiring in Mines and Mining Plants

Course Overview:

An Electrical Safety Code Workshop on Wiring in Mines and Mining Plants with specific references to the Provincial Mining Regulations , M421-93-00 “Use of Electricity in Mines” and Canadian Electrical Code for Mines and Mining Plants.

Course Topics:

- Portable Power Cable
- Raceways
- Multi-Conductor Cables
- Liquid Tight Flexible Conduit
- Boxes and Fittings
- Cable Tray
- Grounding of Industrial Control Equipment

Course Purpose:

- Learn using all of the applicable regulations, standards and code for reference with respect of wiring in mines and mining plants and when how is required to ensure electrical safety.
- A general review of the most commonly found defects in mines and mining plants.
- Focus on section 2 and 12 of the Canadian Electrical Code, along with other requirements specific to mines and mining plants.
- Recognize potential hazards in existing installations that may have been previously overlooked.
- Providing detailed information to ensure new installations meet all of the applicable codes and standards.