**Week 3 Lesson 10 SDL Tasks**

1. Suggest at least one application for each of the following cables based on the conductor size and other information found on the label.

* TRS 1.5mm² 450/ 750V
* V-90 2.5mm² 450/ 750V
* NZXT 4mm² 450/750V

1. What is the primary factor that determines the appropriate conductor size for an electrical installation in NZ?
2. Why is it important to select the right cable size for an electrical installation?
3. What are some consequences of using an undersized cable for an electrical installation?
4. Complete the table which shows the information typically provided on the cable insulation and its importance in cable selection.

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| **Information** | **Importance** |
| Cable size or conductor size |  |
| Insulation type or material |  |
| Voltage rating |  |
| Manufacturer's name or logo |  |
| Temperature rating |  |
| Maximum current-carrying capacity |  |
| Standards or certifications |  |