**Week 1 Exercise 6 Worksheet**

Research the following types of cable insulation. In each case provide a brief description of the material; its insulating properties; and its application.

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| **Insulation** | **Description** | **Insulating Properties** | **Applications** |
| Cross-linked polyethylene (XLPE) |  |  |  |
| Elastomeric  |  |  |  |
| Braided textile |  |  |  |
| Steel wire armoured |  |  |  |
| Fire performance |  |  |  |
| Mineral Insulated Metal Sheathed (MIMS) |  |  |  |