203: Electrical installations technology  
**Worksheet 12: Fire resistant cables**

**Answer guide**

Try the following problems.

1. **State two types of fire resistant cables.**

**Mineral insulated copper clad (MICC)**

**FP200**

1. **State the insulation used in mineral insulated cable.**

**Magnesium oxide**

1. **State three advantages of mineral insulated cable.**

Select three from:

**fireproof**

**great mechanical strength**

**waterproof**

**non-ageing**

**small overall diameter**

**high current carrying capacity**

**earth continuity**

**high corrosion resistance**

**high operating temperature.**

1. **State three disadvantages of mineral insulated cable.**

**Moisture absorption**

**Complicated termination process**

**Cost**

1. **State three advantages of FP200 cable.**

Select three from:

**fire resistant**

**good mechanical strength**

**waterproof**

**easy to terminate**

**relatively cheap compared to MICC.**

1. **State a disadvantage of FP200 cable.**

**Types with silicon insulation require ferrules to be fitted because this insulation is brittle and easily damaged**