

warning tape buried approximately 300mm below finished ground level directly above the cable run.

1. Segregation of Cables

Suitable segregation shall be maintained between electrical services grouped together as follows:

- High voltage cables;
- Low voltage and lighting; and
- Communication cables (including Control and instrumentation cables)

Segregation between low voltage and high voltage cables shall be 300mm clear.

Segregation between Control, instrumentation & communication cables and low voltage cable shall be 150mm clear.

Generally each group shall be allocated to a separate enclosure, unless otherwise indicated on the Project electrical drawings.

2. Cable Joints

Cable joints shall not be allowed unless approved by the City of Perth Project Officer / Manager.

3. Cable Trenching

All electrical and communication conduits shall be installed in accordance with AS/NZS 3000, AS/NZS 3007, relevant statutory authorities and project standard drawings.

Cables trenches shall be of adequate depth to provide the following minimum cover over underground conduit for the entire length of the trench.

Bare earth cables:	600 mm
All low voltage cables:	600 mm
All high voltage cables:	850 mm

A minimum of 150mm of sand bedding shall be provided in the trench below the bottom conduit.

Electrical conduits in trenches shall be taken over or under obstructions such as