Installation of Enable's Underground Fibre Duct

Contractors information

For Enable to install a free fibre lead-in into an open services trench at a new or renovated property, we require specific industry-standard trench specifications to be met.

Trench depth should be 300mm below finished ground level or where the lead-in will be under permanent material (such as a concrete driveway) the depth can be reduced to 100mm. Further information can be found in our Help Centre article **here.**

Method	Depth
Open Trench Hard Surface	Minimum cover 100mm
Open Trench Soft Surface	Minimum cover 200mm • Within 200mm of a Permanent Structure
Open Trench Soft Surface	Minimum cover 300mm • Greater than 200mm from a Permanent Structure
Thrust	Minimum cover 300mm

The following distances from other services also need to be adhered to:

Clearances

- Power: See Table 1
- Gas pipelines: (Pressures 420 – 2000Kpa)
  - – Crossings: 300mm minimum
  - – Parallel: 450mm minimum
- Sewer, stormwater, water etc: 150mm minimum.

Mechanical Protection

Mechanical protection is installed to give protection to the power cable from any future digging activity.

Examples are:

- 50mm thick (or greater) concrete slab
- 25mm thick (or greater) ground contact treated timber
- Tough plastic slab of minimum dimensions 10mm thick x 150mm wide x 750mm long
- Mechanical protection installations are detailed in Table 2.

Power Cable Voltage	Power Cable Type is	With Mechanical Protection Installed	Minimum Separation is
Up to and including 650 volts	Neutral screened or armoured	No	150mm
		Yes	50mm
	Other than neutral screen or armoured	No	450mm
		Yes	50mm crossing 450mm parallel
Exceeding 650 volts	Single core or Multi core	No	450mm
		Yes	150mm crossing 450mm parallel

Table 1. Clearances between power cables and fibre duct.

If a doubt exists on a type of power cable, contact your local power company.

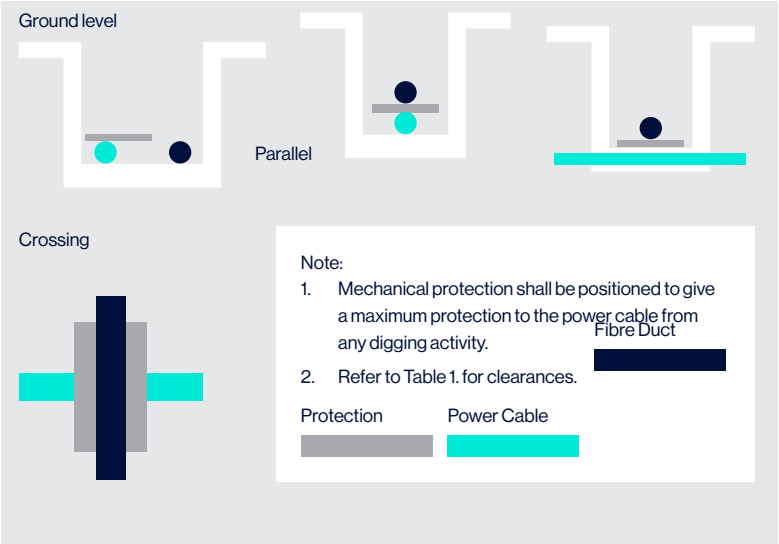

Table 2.

Note: The base structure of the above was extracted from the TCF Telecommunications Carrier Forum document 'Premises Wiring Code of Practice' V4.0 31 May 2011.