

Construction of power line crossings and optical cable crossings

High-capacity fibre-optic lines and electric lines must be installed in conduit or casing (Schedule 80 minimum or equivalent) or concrete encasement (dyed red if electrical) with tracer wire.

The requirements apply to all such lines and extensions of lines constructed hereafter and shall become applicable also to such lines now existing, or any portion thereof, whenever they are reconstructed.

Further to investigation and assessment of the damage of the case study presented here, the paper proposes some guidelines for the safe design and construction of cable crossing.

Included in this section is a brief description of the facility design including tower and pole structures, foundations, conductors, insulators and associated hardware, overhead ground wire, fiber optic cable ...

This chapter is based on experience from crossing agreements in the North Sea, most of which involve pipelines and power cables. There might be some regional specificities, including legal traditions, ...

In the construction of new lines care shall be taken to avoid all unnecessary crossings. Crossing requirements are covered in Sections X and XI.

It then summarizes a case study where a 132kV submarine cable damaged the field joint coating of a crossed pipeline due to lateral movement from hydrodynamic forces. The document proposes ...

Investigation into the Requirements for a General Order Providing Rules Governing Construction of Underground Electric and Communication Lines in the State of California.

The following rules cover the requirements for material, construction, installation, maintenance, inspection, clearances, and depths for cables installed under these rules.

These specifications shall apply to the construction of overhead communication lines crossing or paralleling the right of way. Wires covered by these specifications shall not carry more than 400 volts.



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