

Installation methods

The NF C 11-201 standard's procedures determine the installation procedures for low voltage overhead lines

■ Pole Installation

Installation is achieved with the assistance of accessories (anchor and suspension clamps) only attached to the neutral messenger.

Whatever the climatic conditions: wind, temperature and frost, the load applied to the messenger shall not exceed 500 daN for the 54.6 mm² messenger and 650 daN for the 70 mm² messenger.

Installation procedures are to be determined with the standard NF C 11-201 or other local equivalents, in accordance with the equivalent span at +40°C temperature with no wind.

■ Installation on building walls

Stretched

The tension of bundled conductor cables is obtained by use of anchor clamps only attached to the neutral messenger

The load applied to the messenger should not exceed 300 daN.

The bundled conductor cables are supported horizontally by an alignment cradle every 5 to 6 meters, which sup-

ports all the conductors.

The cradles maintain the cable at approximately 10 cm from the wall.

The installation calculations are made with a temperature of -10°C and no wind.

Simple positioning

The bundled conductor cables are maintained on the outer building walls with cradles spaced 0.7m from one another on horizontal run, and 1 m on vertical run.

These cradles maintain bundled conductors at a distance of 1 to 6 cm from the wall.

■ Stretched across road or open area

Anchor clamps, embedded in the outer building wall fix bundled conductor cables stretched across roads or open areas.

The anchor clamps should be at the same elevation.

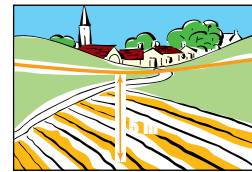
The installation calculations are the same as pole installations.

The load that can be applied to the cable should not exceed 300 daN.

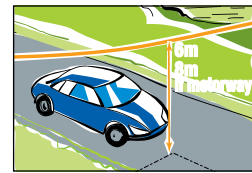
■ Regulation : distances to obstacles

(Hypothesis at 40°C without wind for headrooms)

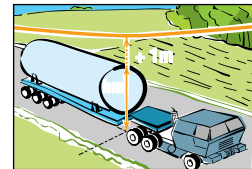
Cultivable land



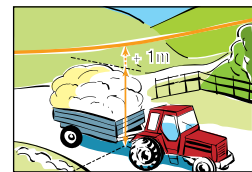
Public road



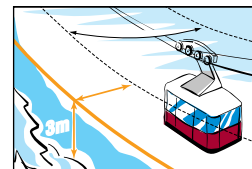
High vehicles



Land farm



Snowclad area



Innavigable Stretch of water

