Line/Cable Database

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1 Description

The line database contains manufacturer data for overhead lines, such as phase/ground conductors, typical tower configurations, etcetera. The line database can be accessed from the Line/Cable Data device as shown in Figure 1.

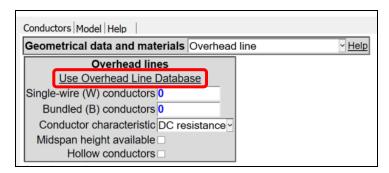


Figure 1. Link to the database from the Line/Cable Data device.

The default view of the mask of the line database is shown in Figure 2. The EMTP (default) database can be customized with user-defined data. Also, user-defined databases can be created.

A database can contain data for "Metric" and "English" units systems, the selection of units in the first tab, defines the data displayed in other tabs.

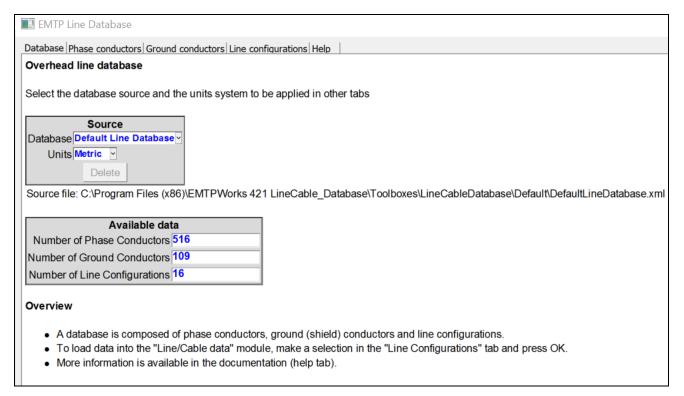


Figure 2. Database mask default view.

2 Phase conductors

The second tab in the line database as shown in Figure 3 contains data for phase conductors.

Additional data can be added by the user by pressing the "New" button and filling the new rows. Note that some data fields are optional. The "Delete" button allows to remove data and acts on the selected rows. The "Export" button can be used to send data from one database to another.

Search bars are available for typing and filtering data. Also, in some fields (columns) a selector is available to filter data.

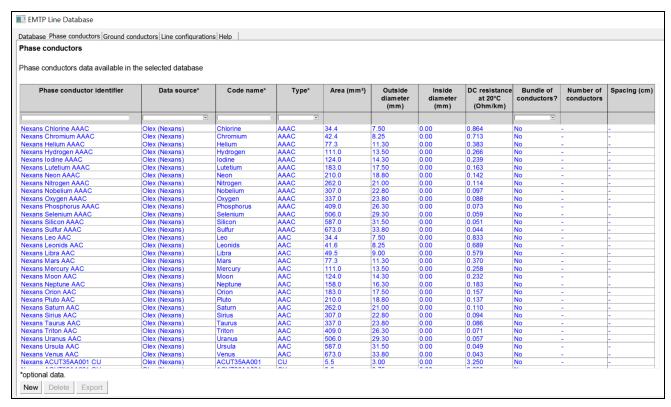


Figure 3. Phase conductors tab.

3 Ground conductors

The third tab in the line database as shown in Figure 4 contains data for ground (shield) conductors.

Data can be added/removed/exported as explained before for phase conductors.

Also, easy navigation through the available data is possible via search bars and selectors for data filtering.

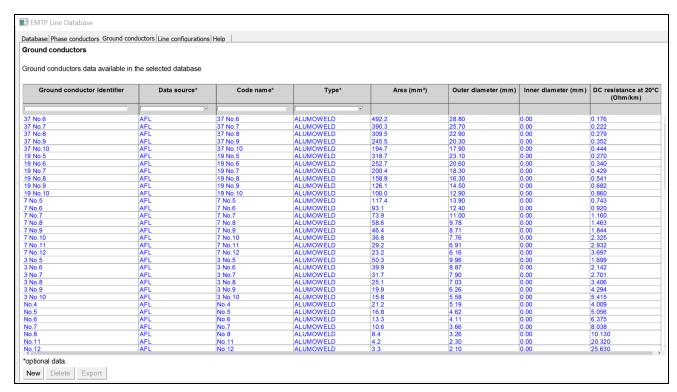


Figure 4. Ground conductors tab.

4 Line configurations

Typical line configurations are available in the fourth tab of the database as shown in Figure 5. New configurations can be created by the user from the available conductors (phase and ground) data and towers.

The data from the available line configurations can be loaded into the Line/Cable Data device by selecting the corresponding row and closing the mask with the OK button.

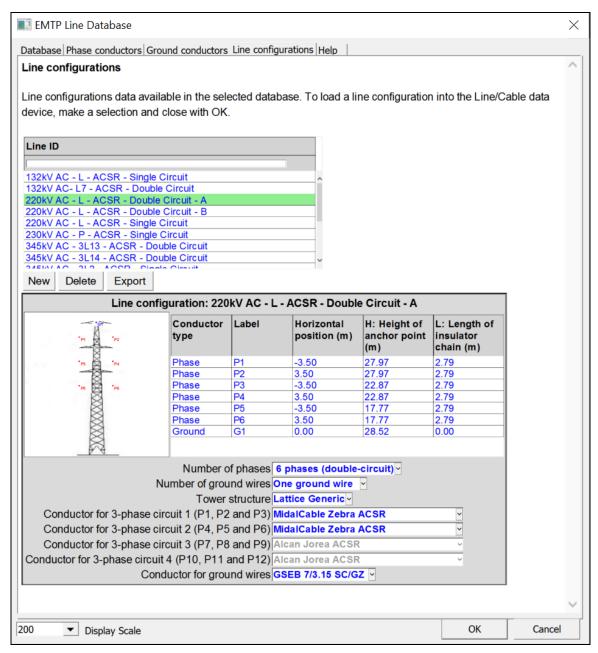


Figure 5. Line configurations tab.