

# Shunt Conductance option

This option is available in the “Options” tab of the “Line Data” device.

This option allows the specification of values for the line shunt conductance  $G$  other than the internal default value of  $0.2 \times 10^{-9}$  S/km (for those line models that assume nonzero  $G$ ). The specified values are the diagonal elements of the reduced (not the full conductors matrix)  $\mathbf{G}_{\text{phase}}$  matrix. The off-diagonal elements of  $\mathbf{G}_{\text{phase}}$  are assumed to be zero.

When the conductance of a phase is set to 0, it means that the default  $0.2 \times 10^{-9}$  S/km value will be used.