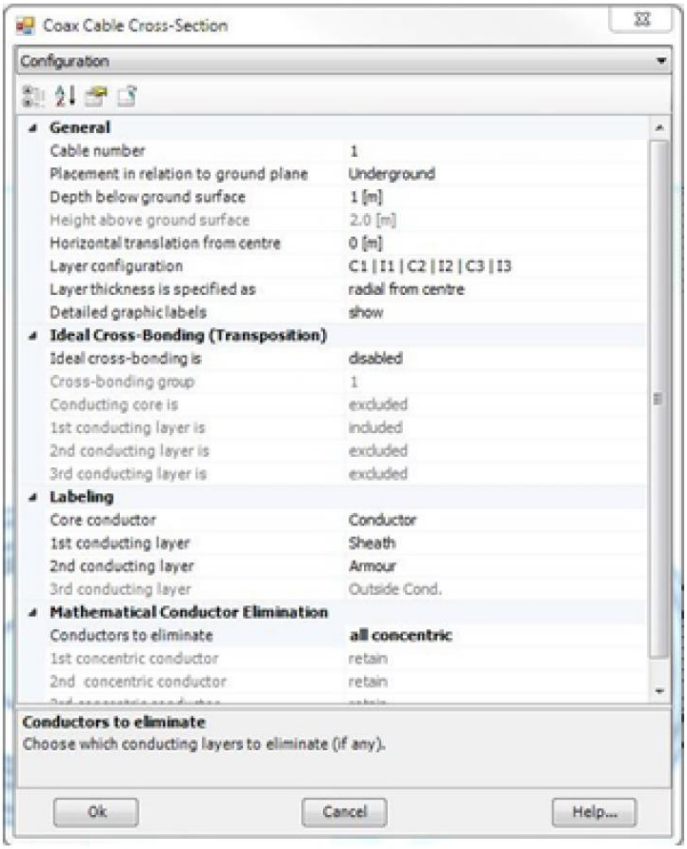
RLC DC Cable Measurement

For a single cable, eliminate all outer layers of cable (sheath, armour etc). This can be done by enabling conductor elimination for all layers as follows.



In the OUTPUT page, you can see the RXB data (Z=R+Xj, Y=jB) SERIES IMPEDANCE MATRIX (Z) [ohms/m]:

0.166890964E-03,0.885137674E-04

SHUNT ADMITTANCE MATRIX (Y) [mhos/m]: 0.000000000E+00,0.146925120E-06

For two dc cables, eliminate all conductive layers as described above and then solve cable. This will create 2*2 matrix. For RXB data for ground and conductor modes can be computed manually using transformation matrix described in help (see Modal Analysis in help)