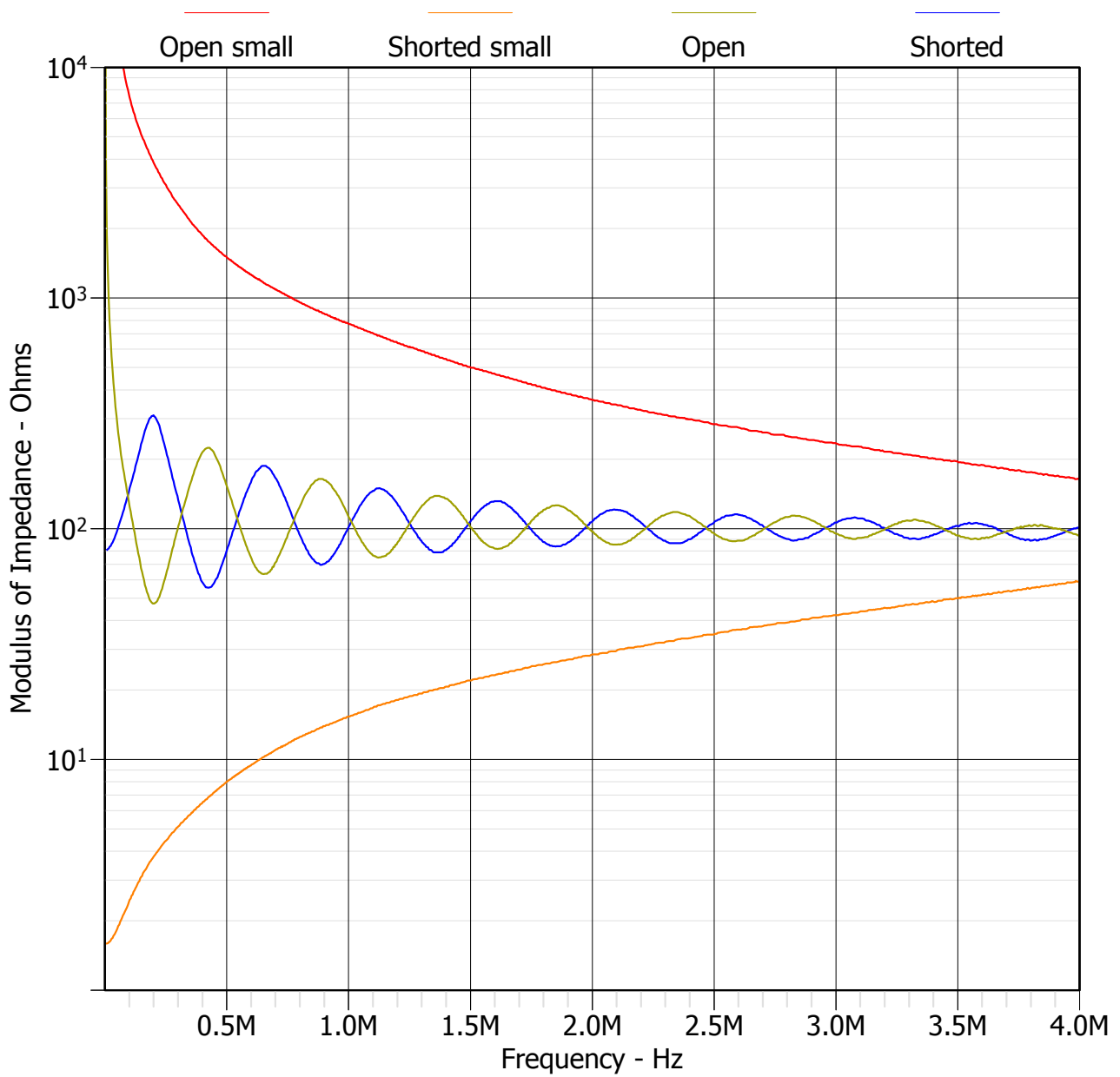


# USB cable impedance



The characteristic impedance of a cable is equal to the square root of the ratio of its lumped inductance divided by its lumped capacitance. The cable impedance is the ratio of the voltage storage properties of the cable divided by its current storage properties. This can be measured as the open circuit impedance and the 'far end' short circuit impedances respectively. These were measured for a short length and a very long length of USB cable. The impedance at the intersection of the two curves is the characteristic impedance of the cable. The C60 is shown sitting on top of 200M of USB cable.

