



Elimination of cable capacitance

- ❑ In some circumstances, long signal wires are required between a tuning fork probe and a preamp. The cable capacitance cannot be ignored in this case.
- ❑ To eliminate the cable capacitance, the following configuration is effective. The tuning fork driving signal is “copied” by a buffer amplifier and applied to the outer shield of a coaxial cable. In this configuration, there is no potential difference between the shield and the core, hence no capacitance occurs.

