



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 buffer amplifier and applied to the outer shield of coaxial cable. In this configuration, there is no potential difference between the shield and the core, hence no capacitance is occurred.

