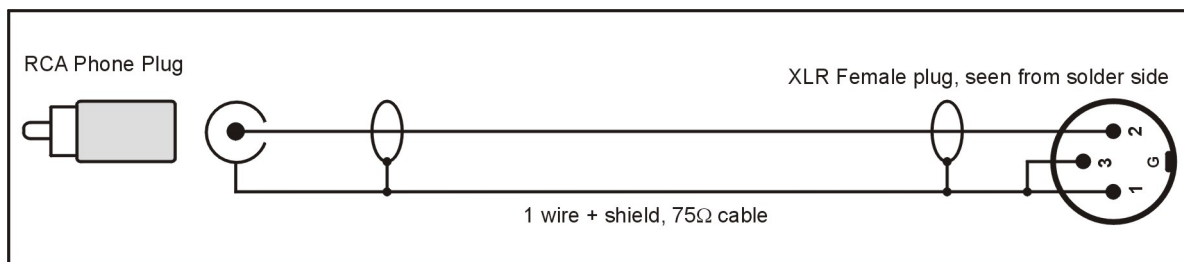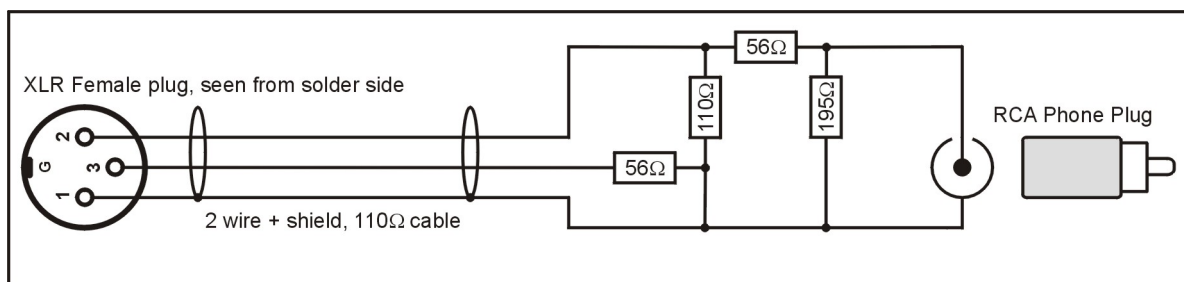# S/PDIF for Roland R-880

the R-880's S/PDIF input will accept an AES/EBU signal.

If your AES signal needs to be transmitted through long cables you might want to include an impedance converter in the loop. In case of short cables there should be no problems in using regular 110 Ohms cables directly to the in/outs of the R-880.

Electrical format:
To get the most reliable interface, the noise immunity of the electrical interface should be maximized.
Drive level and impedance is higher with the AES/EBU interface, so the best solution is to use a resistor network as shown below to match both parameters.

Data format:
On some equipment, an S/PDIF input processes 16 bits, on other 20 or 24 bits. You should find out how many databits is being processed. Most consumer units with S/PDIF inputs may reject AES/EBU status bits.

We recommend that you use 75 ohm cables, usually, for an S/PDIF connection, a cable length of max. 15 ft. (5 meters) is recommended.