



Flat Copper Tape / Warning Tape Installation Notes



Flat copper tape (above left) is designed to replace traditional cable for applications including; under carpets, linoleum, some self-leveling compounds and atop metal decking (subject to correct design). Warning tape (above right) is designed to afford some mechanical protection to the copper tape and discourage accidental cutting of the cable by carpet fitters / tradespersons, etc.

Installation Method

1. Ensure the area to be covered is clean, dry and free from swarf or grease. Ideally floors should be sealed, consideration should be made to sealing the floor with a PVA type adhesive if this is not the case. A line of PVA (perhaps using a roller) also provides a good base for the copper tape, prior to fixing.
2. Tape should be laid out according to the design issued, folding the tape over and back on itself when turning at 90 degrees. A small amount of fixing tape should be used at the corners to secure them.
3. Should you need to join tape, this can be achieved by stripping back the plastic coating on both ends of the tape and applying solder to 'tin' each end before placing ends together and applying heat. Apply electrical grade tape to any joins to secure.
4. To connect to the loop amplifier, solder (not chock block!) two tails of electrical wire (of appropriate gauge) to the ends of the tape and twist tightly together en route to the amplifier. The join can be contained within a standard blank plate at floor level.
5. Check continuity of cable/tape to ensure no breaks are present, the hearing loop system will not work if there are.
6. Run adhesive tap over the flat tape and press down firmly.
7. Inform all carpet/floor fitters and trades persons that a hearing loop is fitted and **must not** be cut. If possible, demonstrate to the responsible person on site that the loop is intact before carpet/floor installation commences, leaving responsibility for any breaks with the fitters and not the loop installer. It may also be prudent to have a continuity meter permanently attached whilst carpet/floor fitters are present, to ensure speedy identification in the event of any cutting of tape!

Important Note

Flat copper tape is usually invisible under carpets and most floor coverings. However, it has been known to react to certain self-leveling compounds. Therefore, we **always** recommend a small test section of tape and compound is produced to see if this is an issue. In the small number of cases where there is a reaction (tape rises to the top of the compound and is visible) then removing the plastic covering of the tape can usually eradicate this problem, as the compound reacts to the plastic coating rather than the tape itself. SigNET cannot be held responsible for any adverse reaction between flat tape and floor covering.