



The Antiference AEB01/50 Earth String has been designed to be used in conjunction with the IEE Wiring Regulations and the “CAI Codes of Practice”.

The product is designed to meet with the Earth bonding regulations, linking all IRS system inputs and outputs together when connected to the buildings Protective Multiple Earth (PME). The purpose of the AEB01/50 is to ensure that no hazardous voltages are present on extraneous metal work.

The IRS system must have a dedicated 6A MCB providing the power for the distribution system.

Fitting Instructions

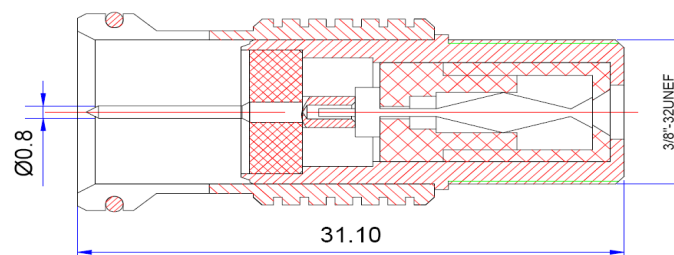
- Remove AEB01/50 from packaging
- Remove the correct amount of links from the Earth string, enough to link all inputs and outputs together
- Loosen all the 11mm nuts on the links to make the string more manoeuvrable
- Push one quick f-type connector on each input and output of the multiswitch or amplifier
- Remove the nut on the last link in the chain.
- Make a earth lead up using a minimum 4mm² Circuit Protective Conductor (Green & Yellow)
- Strip off the outer sheath by 5mm then crimp on the yellow 11mm crimp supplied using a ratchet type crimper ensuring that the copper centre conduct is pushed through and lined up so that it is flush
- Fix crimped end on to last earth link and replace nut and tighten up.
- Tighten all nuts
- Strip the free end on the made up earth lead and connect directly to the building Protective Multiple Earth (PME) supplied by the Electrician. If there is not a direct route back to the Main Distribution Board then the earth can be connected to extraneous metalwork providing that it is connected back to the main earth in a robust, permanent and continuous manner. This must be Earth Bonded and be tested by a qualified electrician.
- The earth bonding connection point must be labelled “ Safety earth connection– do not remove” and comply with BS951, Labels supplied.
- When installing the 100 drop cables ensure that the centre core is inserted correctly between the spade terminals within then Quick F-type connectors, failure to do so will result in loss or reduction of signal level.
- Ensure that all F-type connectors are off the crimp type and are tightened with a spanner.
- The quick F-type connectors are designed for use with 100 and 125 type cables and are not suitable for use with 165/167 cables unless a reducing crimp connector is fitted.
- It is recommended that only CAI benchmarked cable such as Antiference 5540F double screened cable is installed as the braiding can carry the fault currents.

* A 13 Amp socket outlet is Not suitable for Earth Bonding purposes. If in doubt contact a qualified Electrician

Technical Specifications

Quick F-Type connector	Frequency Range MHz	IEC60169-24 (F)	F
Return Loss (dB)	5-860	≥20	≥20
	950– 2150	≥20	≥15
Insertion loss (dB)	5-860	≤1.0	
	950-2150		

Dimensions



Antiference has a full portfolio of products ranging from Aerials to MATV, IRS Multiswitches.
For full specifications visit www.antiference.co.uk

