

## TV-over-Twisted-Pair 1-1006MHz adapter baluns

**ABI-AC1002S00** Fixed insertion loss

**ABI-AC1001S00** Variable 1 to 20dB insertion loss

- ✓ Outstanding TV picture quality everywhere in the home
- ✓ Transmit RF TV signals over high-grade twisted pair cabling
- ✓ DVB-C CaTV or DVB-T aerial feeder TV signals
- ✓ Docs compliant forward and return path
- ✓ Efficient shielding against electromagnetic interference
- ✓ Full next-generation 1-1006MHz CaTV network bandwidth
- ✓ Minimal size, minimal visual impact
- ✓ Makes use of standard TV RF coax leads
- ✓ TV RF lead parallel with the wall for maximum protection



ABI-AC1002S00



ABI-AC1001S00

These TVoTP (TV over Twisted Pair) adapters are used to connect a TV set or a digital SetTopBox to a universal home cabling OmniMedia RJ45 wall outlet whilst using a standard RF coaxial lead. The TVoTP adapter baluns convert from a 100Ohm RJ45 interface to a 75Ohm RF coaxial interface connector. The baluns are wideband bi-directional devices operating in the range between 1MHz and 1006MHz, ensuring proper transmission of forward path FM, DAB, TV and Data signals as well as return path data signals, according to the Docsis system specifications.

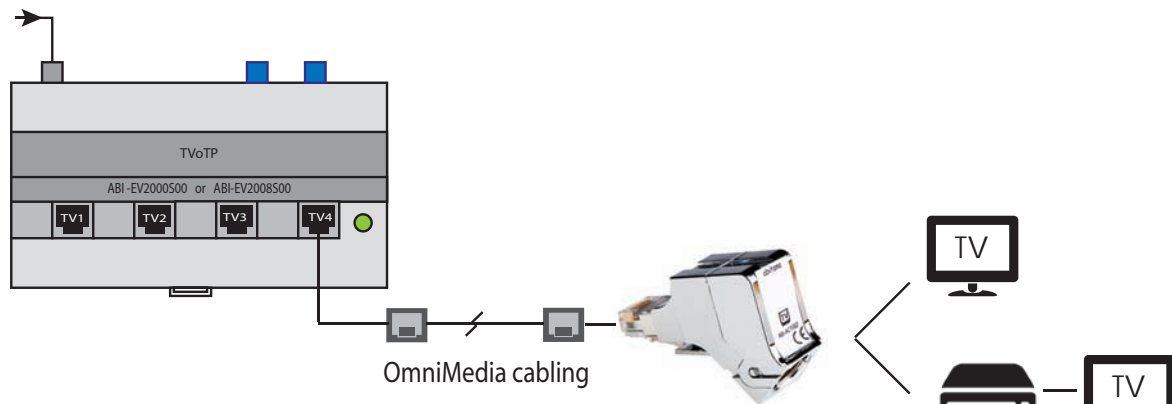
ABI-AC1002S00 is a fixed level adapter intended for links between 15 and 35m long.

ABI-AC1001S00 is an adapter with a 3-turn continuously variable level and frequency compensation circuit, for use with link lengths between 0 and 35m.

The variable level model is recommended for use with level-sensitive multi-tuner digital SetTopBoxes, in order to deliver to the STB a signal that is optimally centered inside the dynamic range of the STB. The use of these baluns allows an individual signal level optimisation for each STB in the home, irrespective of the individual link lengths.

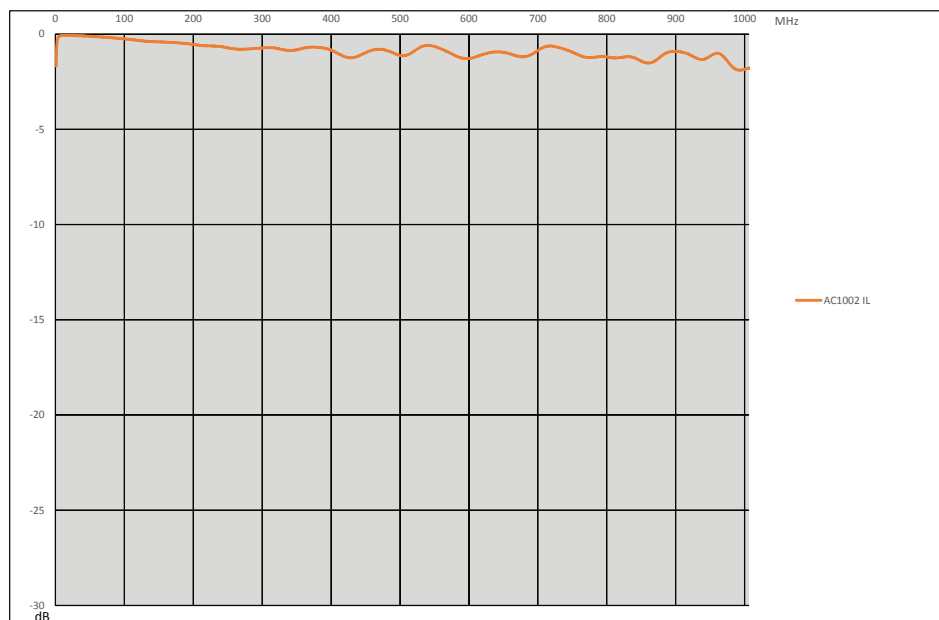
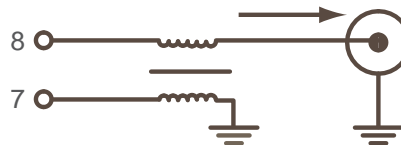
### APPLICATION DIAGRAM

CaTV or Terrestrial



## ABI-AC1002S00

- Fixed insertion loss
- BW 1-1006MHz
- IL @ 1MHz: 0dB
- IL @ 1006MHz: 2dB
- Link lengths: 15-35m (with OmniMedia 1000MHz ABI-KP1004S00 cable, connectors and patchcords)
- dim WxHxD (mm): 16,7x33,2x52,2



## ABI-AC1001S00

- Continuously adjustable insertion loss
- BW 1-1006MHz
- IL @ 1MHz: 1dB
- IL @ 1006MHz: 3 to 20dB
- Link lengths: 0-35m (with OmniMedia 1000MHz ABI-KP1004S00 cable, connectors and patchcords)
- dim WxHxD (mm): 16,7x33,2x52,2

