EZ-DSL Microfilter Specifications

Introduction

Note This appendix details the mechanical characteristics of the EZ-DSL microfilter, which is used only with the Cisco 627, Cisco 675, Cisco 675e, Cisco 676, Cisco 677 and Cisco 678 CPEs.

The EZ-DSL microfilters are used to connect telephones at the customer premises to the premises telephone wiring. The microfilters are designed to prevent interference between the router and the telephone set, and to reduce the effect of POTS-generated noise on the ADSL transceiver.

Note Use EZ-DSL Microfilters only at premises that do not have an ADSL POTS splitter installed.

Specifications

The EZ-DSL microfilters exist in two forms: an in-line version and a wall-mount version. This section list the specifications for both.

In-Line Microfilter

The in-line microfilters contain a plastic enclosure that houses a PCB assembly and RJ-11 female connector at either end. The top-level assembly includes a 3-inch RJ-11-to-RJ-11 pigtail for connection to the wall outlet. (See Figure C-1.)

Dimensions

- 2.50 x 1.00 x 1.03 inches
- 6.35 x 2.54 . x 2.6 cm

Figure C-1 In-Line Microfilter and Cable

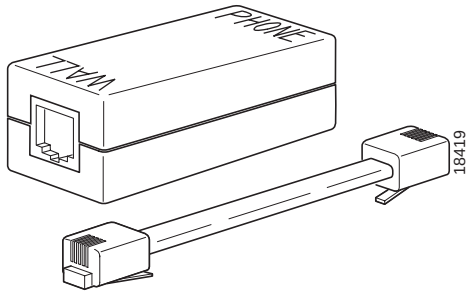

Table C-1 In-Line Microfilter Pinouts

Pin	Signal
3	Ring
4	Tip

Note The in-line microfilters do not work if connected improperly. To ensure that the microfilters work, connect the wall side of the microfilter to the wall jack and the phone side of the microfilter to the telephone.

Caution The in-line microfilters do not provide protection against transient noise for multi-line telephones, nor do they provide protection against power surges.

Installation Instructions

Step 1 Identify all home telephones plugged in and in service. An EZ-DSL microfilter should be installed at each home telephone.

Step 2 Unplug the telephone from the wall. Plug the telephone cord into the end of the EZ-DSL microfilter marked PHONE.

Step 3 Using the 3-inch telephone cord provided, plug one end of the cord into the microfilter marked WALL. Plug the other end of the cord into the telephone wall receptacle.

Step 4 After you have finished installation, verify that your telephone service works. If your telephone service does not work, disconnect the EZ-DSL Microfilter and contact your local telephone company or Cisco Systems.

Safety Precautions

Warning **Take the telephone handset off the hook while wiring.**

Warning **Persons with pacemakers should never work with telephone wiring.**

Wall-Mount Microfilter

The wall-mount version is a plastic plate used in conjunction with wall-mount telephones. The wall-mount microfilter installs in the place of normal telephone jack outlets where the wall-mount telephones are used.

Dimensions

- 4.50 x 2.75 inches
- 11.4 x 6.98 cm

Figure C-2 Wall Mount Microfilter

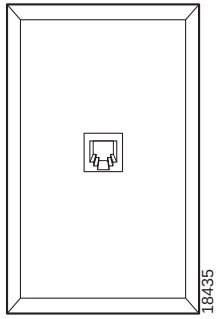

Table C-2 Wall Mount Microfilter Pinouts

Pin	Signal
3	Ring
4	Tip

Installation Instructions

Step 1 Remove any existing wall mounts.

Step 2 Remove 3 inches from the outer jacket of telephone wire in the outlet box. Strip .75 inch from each individual conductor.

Step 3 Loosen screws on all jack terminals. Each terminal is color coded. Connect four wires to corresponding terminal screws. Check wiring.

Wire Code Installation Guide

Table C-3 Jack Labeling and Wire Color Codes

Jack Labeling	Wire Color Code 1	Wire Color Code 2
Red	Red	White with blue stripes
Green	Green	Blue with white stripes
Yellow	Yellow	White with orange stripes
Black	Black	Orange with white stripes

Step 1 Remove front panel from supplied wall jack and attach jack to the outlet box with the screws provided. The word "Top" faces upward.

Step 2 To connect the telephone, align the plug on the telephone to the newly-installed wall jack. The rivet holes on the jack should line up with the rivet holes on the back of the telephone. Move the telephone downward to lock into place.

Step 3 Place the telephone handset back on the telephone.

Safety Precautions

Warning **Take the telephone handset off the hook while wiring.**

Warning **Persons with pacemakers should never work with telephone wiring.**

Regulatory Approvals

- UL 1950, Third Edition
- FCC Part 68 (in-line microfilters only)