

## VANGUARD 6435 and 6455 HARDWARE ADVISORY NOTICE

### Introduction

This Hardware Advisory Notice (HAN) applies to the Vanguard 6435 and 6455. A ferrite bead is included with every G.SHDSL daughtercard shipped. The ferrite bead installation is required only on the Vanguard 6435 and 6455.

### Installing a Ferrite Bead on a 6435 and 6455

This notice explains how to install a ferrite bead, which filters out line disturbances, on audio and power cables. Installation of a bead is required to ensure compliance with the European Union (EU) EMC Directive 89/336/EEC and compliance with FCC Part 15, Class A. Failure to install the ferrite component will result in non-compliance with the EU EMC Directive and may cause interference with other electrical equipment.

#### ■ Note

The bead is required on the Vanguard 6435 and 6455.

Before installing a ferrite bead on an audio cable, be sure you have the audio cable that shipped with your G.SHDSL Daughtercard.

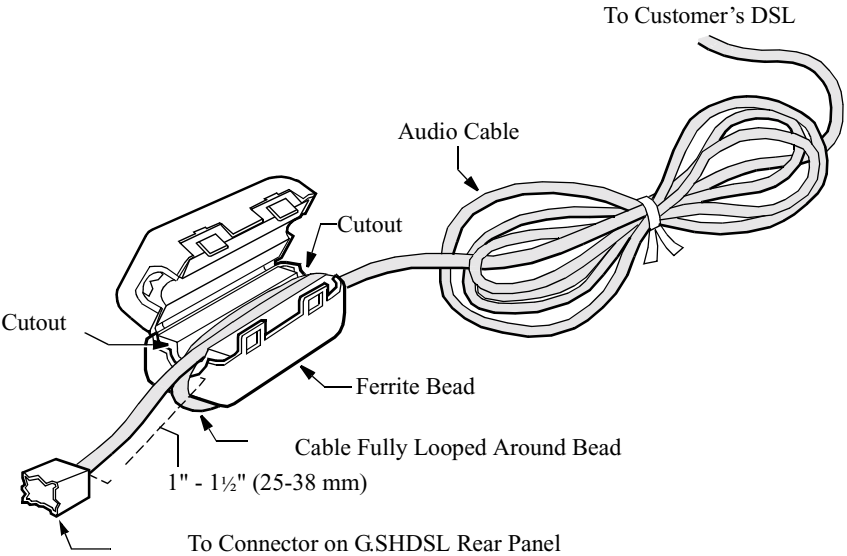
<b>Step</b>	<b>Action</b>
<b>1</b>	Snugly wrap the cable twice completely around the bead (see Figure 1).
<b>2</b>	Set the cable into the bead cutouts.
<b>3</b>	Ensure 1 to 1-1/2 inches (25 to 38mm) of the cable protrudes from the bead (on the end you insert into the G.SHDSL Daughtercard's rear panel connector).
<b>4</b>	Snap the bead closed. You can re-open and close it to re-set the cable.
<b>5</b>	Insert the cable into the appropriate connector on the rear of the G.SHDSL Daughtercard (with the ferrite bead closest to the Daughtercard's rear panel connector).

### Example Installation

Figure 1 on the following page shows how to install the ferrite bead on the cable.



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**Figure 1. Installing a Ferrite Bead on an Audio Cable**

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