Attestation from Applicant

Type of equipment tested: Pre-production

Modifications made during testing that are required for FCC compliance and will be incoporated into all production units:
A single one-turn ferrite was added to all the external I/O cables together. (see attached excerpt from User Manual)

Description of the software and firmware used to operate the radio, including name and revision level:

MorphoAccess firmware version 4.42, consisting of the following files:
dbiorom_4.42.edb
static_kernel_4.42.edb
spilv_4.42.edb
maccess_4.42.edb
langue0.bin
langue1.bin
langue2.bin

ACG H102014BC firmware version 0.14e

Installing Ferrite Beads on Interface Cables for MorphoAccess™ 220 and 320

This document provides an overview of ferrite beads and explains how to install them on the power, Wiegand, RS-422, and Ethernet cables that you connect to the MorphoAccess™ 220 or 320. To meet FCC requirements for Class B computing devices, a ferrite bead must be installed on all cables connected to the MorphoAccess.

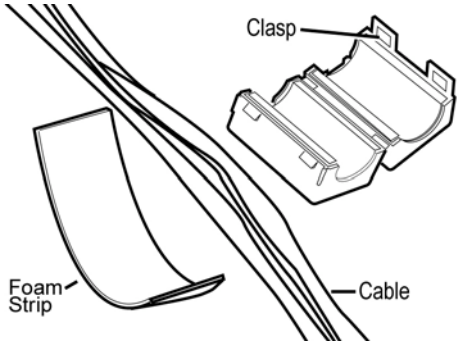
What is a Ferrite Bead?

Ferrite beads are radio frequency (RF) absorbers. To see an example of a ferrite bead, look at a monitor video cable or a laptop computer power cable that is connected to your computer. The walnut-sized protrusion that is molded near one end of the cable is a ferrite bead. The size and shape of the ferrite bead determines the amount of RF that is absorbed. The amount of RF that a device emits determines the type of ferrite bead that is required to provide the proper absorption.

The ferrite beads supplied with your MorphoAccess 220 or 320 terminal have been properly sized to absorb the correct amount of RF to comply with FCC requirements.

Installing a Ferrite Bead

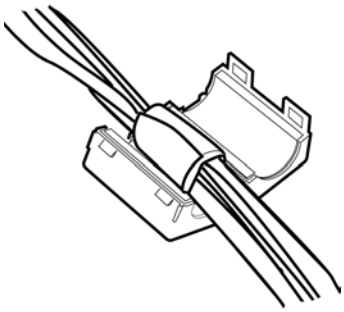
After all the cables have been routed through the wall, place a single ferrite bead around all of them before you install the MorphoAccess 220 or 320 terminal. See instructions below. The foam strip will be compressed in the ferrite bead to prevent the ferrite bead from slipping down the cable.



1. Open a ferrite bead by releasing the clasp on the side.
2. Determine where the ferrite bead will be positioned on the cables. It should be positioned as close as possible (but not inside) to the MorphoAccess terminal.

   Ensure that sufficient cable slack will be available to route the cables inside the MorphoAccess and to attach the wires to the terminal block.

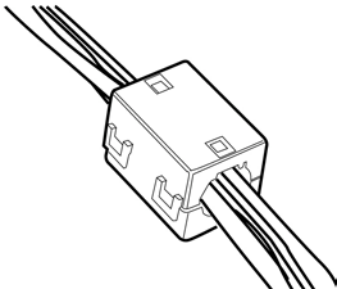
3. Wrap the foam tightly around all the cables at the position where the ferrite bead will be placed.



4. Lay the foam-wrapped cable inside the groove of the ferrite bead.

5. Close the two halves of the ferrite bead and securely fasten the clasps.

   If the ferrite bead does not close easily, trim the foam slightly, but not so much that the ferrite bead will slide away from the terminal.



Ordering Ferrite Beads or Foam Cable Wrap for Ferrites

To order more ferrite beads (Fair-Rite 04441 73551) for your MorphoAccess 220 or 320 interface cables, contact SAGEM MORPHO, Inc. at 1-800-526-2674. Ask for part number 1205-364001-0. To order more foam cable wrap for ferrites, ask for part number 0999-900019-0.