CHO-FOIL EM Shielding Tape with Conductive Adhesive (Copper, Aluminum or Tinned Copper)

Chomerics’ CHO-FOIL tapes are an economical EMI shielding solution for a variety of commercial uses. The tapes are available in copper, aluminum, or tinned copper foil backed with Chomerics’ highly conductive pressure-sensitive adhesive*. Typical properties are shown in Table 1 on the next page, and reliability data appears in Table 4 on page 148. CHO-FOIL copper tape is available with a non-conductive adhesive for applications requiring surface conductivity only. An embossed version of CHO-FOIL copper tape is also available, for a more attractive appearance up to 6 inches (152 mm) wide. Standard length rolls and die-cut custom shapes can be ordered.

Typical Applications for CHO-FOIL and CHO-FAB EM Shielding Tapes

- Provide a low impedance connection between a braided cable shield and the metal connector backshell in molded cables. An effective EMI shielded assembly can be achieved without soldering the tape to the braid or backshell
- EMI radiation measurement troubleshooting, using CHO-FOIL tape to shield ventilation slots or seam gaps
- Provide electrical continuity in seams of EMI shielded rooms and electronic enclosures
- Supply electrical contact to surfaces that can’t be soldered to, such as conductive plastic or aluminum
- EMI shield for cables by wrapping the tape around the cable. An overlap is recommended
- ESD shielding
- Provide corrosion-resistant ground contact points
- Fabric tape available where weight and flexibility are important, such as for wrapping cables

CHO-FAB EM Shielding Fabric Tape with Conductive Adhesive

CHO-FAB tape is a corrosion resistant nickel-plated cloth coated with Chomerics’ highly conductive pressure-sensitive adhesive*. CHO-FAB tape is extremely strong and lightweight, and has excellent conformability/wrapability to enhance shielding performance and appearance. Use of corrosion resistant nickel-plated cloth and Chomerics’ superior metal-particle-filled conductive adhesive technology produces a tape used in a wide variety of EMI shielding and grounding applications. Typical properties are shown in Table 1 on the next page.

Chefab is available in standard (CFT) and rip-stop (CRS) nylon fabric forms. Both fabrics use nickel/silver plating to provide excellent electrical and corrosion resistance properties.

Ordering Procedure

Refer to Tables 2 and 3. All CHO-FOIL and CHO-FAB tapes are available in standard 36 yard (32.9 m) rolls or die-cut custom configurations. Call Chomerics’ Applications Engineering Department for assistance with a custom configuration.

* Recognized Under the Component Program of Underwriters Laboratories, Inc.