

3M Introduces Highly Conformable, Non-Woven Conductive Tapes

3M has created two new nickel and copper-plated, non-woven, conductive fabric tapes designed for grounding and EMI applications in devices such as mobile handhelds, digital still cameras, LCD televisions and other small consumer electronic products.

The metalized backing and conductive adhesive provide a conductive interface between components. Because the backing is a non-woven material, it is highly conformable. 3M Nickel and Copper-Plated Non-Woven, Conductive Fabric Tape CN3490 is coated with adhesive on one side while tape CN4490 is coated on both sides.

Tape CN4490 is only 50 microns thick, and tape CN3490 is 65 microns thick, making them thinner than standard conductive fabric tapes. They are repositionable for rework and faster assembly. There are fewer oxidation issues than is typical of metal insulations and no fingers susceptible to snagging and breaking. These tapes can be converted into sheets, slit rolls and die-cut parts.

3M serves original equipment manufacturers with OEM tapes, EMC and EMI-shielding products, antistatic masking tapes, heat shrink tubing and devices, liquid resins and adhesive transfers. 3M products are used for insulating wire harnesses, shielding against electromagnetic interference, protecting PCBs and electronic devices, and insulating electrical components.

For more information about 3M Nickel and Copper-Plated Non-Woven Conductive Fabric Tape CN3490 and CN4490, contact the 3M Electrical Markets Division, A130-4N-36, 6801 River Place Blvd., Austin, Texas 78726-9000, USA, or call 800-676-8381. For more information about 3M OEM products, go to www.3M.com/electrical/oem.

The 3M Electrical Markets Division, based in Austin, Texas, designs, manufactures and markets products for electrical and electronic components, electrical construction, industrial maintenance, and utility and industrial power.

About 3M

A recognized leader in research and development, 3M produces thousands of innovative products for dozens of diverse markets. 3M's core strength is applying its more than 40 distinct technology platforms – often in combination – to a wide array of customer needs. With \$25 billion in sales, 3M employs 75,000 people worldwide and has operations in more than 60 countries. For more information, visit www.3M.com.

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