



# XYZ-Axis Electrically Conductive Adhesive Transfer Tapes 9713, 9712, 9719

3M™ XYZ-Axis Electrically Conductive Adhesive Transfer Tapes are an innovative combination of **established 3M adhesive technology with state-of-the-art conductive technology**. High reliability and performance come from –

- Isotropic conductance
- Low electrical resistance
- Good initial tack as well as lasting adhesion
- Non-corrosive adhesive
- Easy application – die-cut or roll form



*Slit to width as narrow as 1/8" for even the narrowest of gaskets.*



*Die-cut for use with common foil laminate shields, including copper, aluminum and tinned copper foil constructions.*

3M XYZ-Axis Electrically Conductive Adhesive Transfer Tapes have all the qualities required for reliable and effective attachment of EMI/RFI shields and gaskets to electronic devices.

These include:

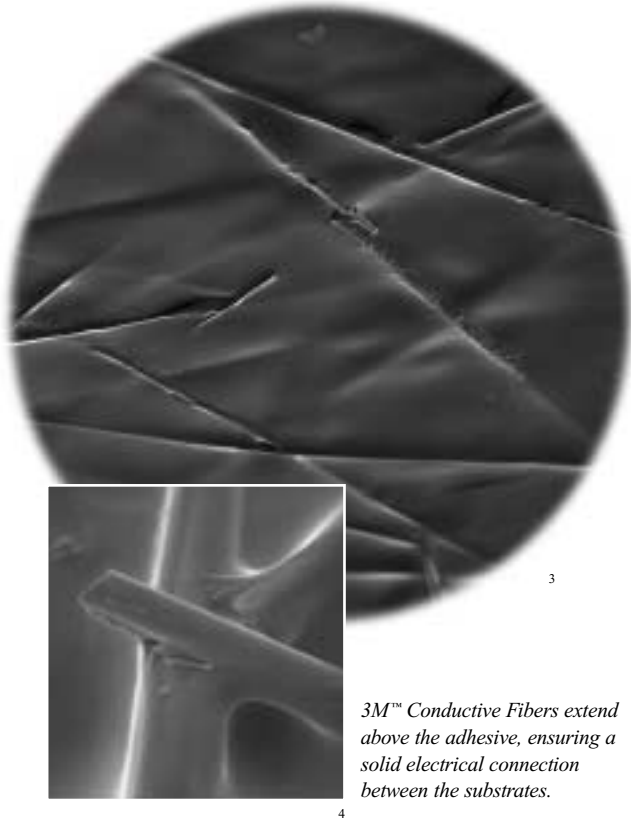
- Low resistance for increased shielding effectiveness
- Eliminates gaps along device/shield interface to prevent emission leaks
- Non-corrosive adhesive increases life of shield and allows attachment of dissimilar metals
- Fast assembly
- High temperature durability and excellent adhesion to LSE\* surfaces (9719 only)

\*LSE: Low Surface Energy. Examples of low surface energy substrates include Teflon, Tedlar (PVF), silicone, etc.

# 3M™ XYZ-Axis Electrically Conductive Adhesive Transfer Tapes 9713, 9712, 9719.

## It's the fibers...

- Wiping action creates good electrical contact
- Spring-loaded tension maintains electrical contact
- Reinforcement gives the tape excellent handling characteristics



*3M™ Conductive Fibers extend above the adhesive, ensuring a solid electrical connection between the substrates.*

## Strong adhesion *and* good electrical performance

Product	Description
9712	3M's most cost effective solution for applications with moderate electrical requirements; same good adhesion as 9713
9713	3M's highest performing isotropic electrically conductive tape
9719	Similar to 9713, designed for higher temperature durability (up to 400°F) and better adhesion to LSE surfaces (e.g. adhesion to silicone rubber > 20 oz/in)

### Contact Resistance (Foil/Rigid Plate):\*

	9713	9712	9719
Aluminum/Aluminum:	< 1 Ω	< 24 Ω	< 2.5 Ω
Aluminum/Stainless Steel:	< 1 Ω	< 22 Ω	< 2.0 Ω
Copper/Stainless Steel:	< 0.5 Ω	—	< 1.0 Ω

\*1" x 1" piece of adhesive

**NOTE:** the technical data and information should be considered representative or typical only and should not be used for specification purposes.

## Additional product information or sales assistance: 1-800-251-8634.

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