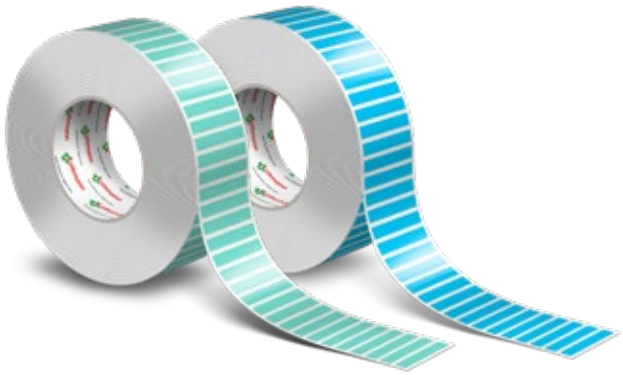
Multifunctional Adhesive Tapes

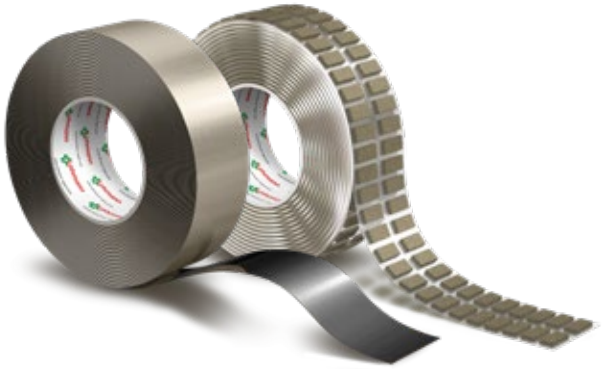
Engineered for thermal and electrical management in demanding electronics applications

Modern electronics demand more than just joining components. Driven by digitalization, miniaturization and higher power densities, today's assemblies require tapes that simultaneously bond, conduct heat, shield interference or insulate electrically. Lohmann's DuploCOLL multifunctional tape portfolio is engineered for exactly these requirements – available as rolls, spools, sheets or precision die-cuts.

Thermally Conductive | DuploCOLL® TC

DuploCOLL TC acrylic transfer tapes deliver thermal conductivity of up to 2 W/mK for efficient heat transfer between electronic components. Free of silicones, halogens and solvents, they provide immediate adhesion to irregular surfaces and compensate component tolerances. Available from 140 µm to 2 mm, they combine thermal conductivity with electrical insulation up to 26 kV/mm breakdown voltage. The TC portfolio fulfills the flame-retardant requirements according to UL 94.





Electrically Conductive | DuploCOLL® EC

DuploCOLL EC tapes enable EMI/RFI shielding, grounding and low-current interconnections without additional wiring. Metalized fabric and foam carriers combined with an electrically conductive acrylic adhesive on one or on both sides provide isotropic conductivity in X/Y/Z axes and shielding performance from 450 MHz to 3.8 GHz (5G). Compressible foam variants absorb tolerance differences between components while maintaining permanent grounding function.

Visit **lohmann-tapes.com/multifunctional-tapes** for further information!

Electrically Insulating | DuploCOLL® IS

DuploCOLL IS filmic tapes protect against dielectric breakdown in high-voltage environments. Due to their excellent temperature resistance the tapes can serve as heat barrier in the final application or in production processes. Insulating tapes for high heat resistance are also available.





Antistatic | DuploCOLL® AS

DuploCOLL AS single-sided adhesive films protect TFT, LCD, and optically bonded touch displays against electrostatic discharge, dust and scratches - from assembly through product lifetime. Their antistatic film carrier and adhesive resist temperature and humidity variation, and allow clean removal after extended bonding periods.

Our Passion for Smart Bonding Solutions

Driven by innovation and sustainability, Lohmann combines 175 years of bonding expertise with future-proof solutions. From your first idea to process integration, we are your partner at every step. Whether you need high-end adhesive tapes, custom die-cuts, or end-to-end support for your production, we provide precisely what your application demands.



Lohmann GmbH & Co. KG
Irlicher Straße 55
56567 Neuwied/Germany
Phone: +49 2631 34-0
info@lohmann-tapes.com
www.lohmann-tapes.com

Visit **lohmann-tapes.com** for further information!

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