

## **Electrically Conductive Adhesives**

Product Name	Description	Key Attributes	Volume Resistivity (Ω∙cm)	Glass Transition Temperature, Tg (°C)	Coefficient of Thermal Expansion, CTE (ppm/°C)		Modulus at 25°C (MPa)	Recommended Cure
					Below Tg	Above Tg		
Acrylate								
LOCTITE ABLESTIK CA 3556HF	Acrylate electrically conductive adhesive	<ul> <li>One component</li> <li>Fast, low-temperature cure</li> <li>Excellent flexibility</li> <li>Good adhesion</li> <li>Low contact resistance</li> </ul>	2.5 × 10 <sup>-3</sup>	-30	95	278	650	2 min. at 110°C
Ероху								
LOCTITE ABLESTIK CE 3103WLV	Epoxy electrically conductive adhesive	<ul> <li>Pb-free alternative to solder</li> <li>Low-temperature cure</li> <li>Stable contact resistance</li> </ul>	8 × 10 <sup>-4</sup>	114	45	225	4,500	10 min. at 120°C
Silicone								
LOCTITE ABLESTIK ICP 4000	Silicone electrically conductive adhesive	<ul> <li>One component</li> <li>High flexibility</li> <li>Excellent electrical conductivity</li> <li>High-temperature performance</li> <li>Pb-free alternative to solder</li> <li>High electrical current carrying capability</li> <li>Low-temperature cure</li> <li>Outstanding elongation performance</li> <li>Low outgassing</li> </ul>	6 × 10 <sup>.5</sup>	-45	N/A	330	101	1 hr. at 130°C

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