

# Wire Tape Dots, PCB Wire Tacking Adhesives



## Description

**Wire Tape Dots** make the job of bonding jumper wires neat and fast. They are a wire tacking system consisting of pre-cut shapes of a thin, flexible polymer film coated on one side with a high performance, electronics grade permanent pressure-sensitive adhesive. The result is a highly conformable, high strength bond.

Wire Tape Dots will hold secure after exposure to numerous chemicals including cleaning solutions/sprays, saponifiers, mild acids and alkalies, and will hold secure through a typical circuit board hot water wash.

## Features & Benefits

- Very good initial bond strength that increases over 72 hours to stabilize as a high strength reliable bond
- High humidity has a minimal effect on adhesive performance
- Will hold securely after exposure to numerous chemicals including cleaning solutions/sprays, saponifiers, mild acids and alkalies
- Wires will hold securely through a typical PCB hot water wash
- Can be repositioned during and immediately after initial bonding without causing adhesive transfer or loss of bond strength
- Retains its performance and properties for one year from date of purchase when stored at room temperature

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## Applications

- Bonding jumper wires used for modifications
- Bonding jumper wires used for conductor repairs

## Specifications

### ■ Temperature Cycling and Bond Strength

Bond strength generally increases after four times through:

4 hours at 70°C

4 hours at -29°C

16 hours at room temperature

### ■ Temperature Range

Low: -40°C

High short term: 200°C

High long term: 135°C

## Thermal Properties

Property	Typical value	Test method
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Peel strength 72 hrs at 22°C	84 oz/in	ASTM D3330 Modified
Static shear strength 22°C/1000g	>10,000 min	ASTM D3654
Tensile strength (yield) 22°C	>2600 psi	ASTM D2370
Elongation	100%	ASTM D2370
Thermal conductivity	0.17 w/m-K	ASTM C518
Coefficient of thermal expansion	$5.5 \times 10^{-4}$ m/m/C	ASTM D696 25-175C

## Electrical Properties

Property	Typical value	Test method
Dielectric strength	1700 volts/thou	ASTM D149
Dielectric constant 25°C, 1 kHz	3.4	ASTM D150
Dissipation factor 25°C, 1 kHz	0.018	ASTM D150

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Property	Typical value	Test method
Surface resistivity – Adhesive layer	$>1 \times 10^{14}$ ohm/square	ASTM D257
Surface resistivity – Polymer film layer	$>1 \times 10^{16}$ ohm/square	ASTM D257
Volume resistivity – Adhesive layer	$>1 \times 10^{15}$ ohm/cm	ASTM D257
Volume resistivity – Polymer film layer	$>1 \times 10^{18}$ ohm/cm	ASTM D257
Insulation/moisture resistance – Adhesive layer	$>1 \times 10^{11}$ ohm	MIL-I-46058C (100 VDC 60 sec)
Insulation/moisture resistance – Polymer film layer	$>1 \times 10^{12}$ ohm	MIL-I-46058C (100 VDC 60 sec)
Voltage breakdown	3500 volts	–

## Other Information

# Wire Tape Dots, PCB Wire Tacking Adhesives

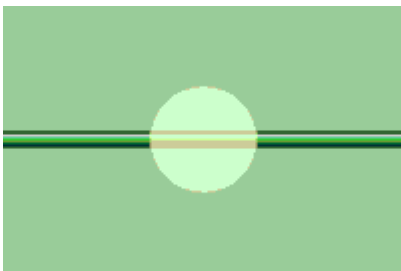


Our [Technical Bulletins](#) page has links to:

- Technical Bulletin: [Wire Tacking – The Options](#)

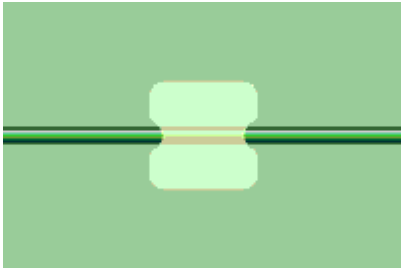
## Ordering Information

**Illustration shows wire tape dots bonding 30 gauge jumper wire:**



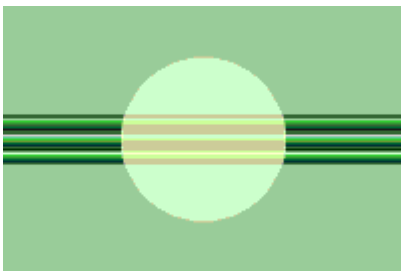
CRC310-0651 Tape Dots  
6.5mm round

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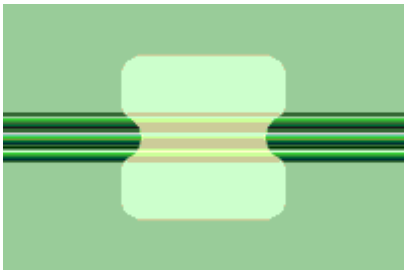
CRC310-0652 Tape Dots  
6.5mm square

**Illustration shows wire tape dots bonding (3) 30 gauge jumper wire:**



CRC310-1001 Tape Dots  
10.0 mm round

# Wire Tape Dots, PCB Wire Tacking Adhesives



CRC310-1002 Tape Dots  
10.0 mm square

Part number	Description	Pack Size
CRC310-2100	Wire Tape Dots – variety pack	370
CRC310-0651	Wire Tape Dots – 6.5 mm round	370
CRC310-0652	Wire Tape Dots – 6.5 mm square	450
CRC310-1001	Wire Tape Dots – 10.0 mm round	210

# Wire Tape Dots, PCB Wire Tacking Adhesives



Part number	Description	Pack Size
CRC310-1002	Wire Tape Dots – 10.0 mm square	210

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Let’s start by talking about your application



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[orders@intertronics.co.uk](mailto:orders@intertronics.co.uk)

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- 
- Tell us about your application

# Wire Tape Dots, PCB Wire Tacking Adhesives



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**intertronics**

INTERTRONICS

12a Station Field Industrial Estate, Banbury Road, Kidlington

Oxfordshire England OX5 1JD

t 01865 842842 e [info@intertronics.co.uk](mailto:info@intertronics.co.uk)

Last updated: November 2022 Version: 4.4

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