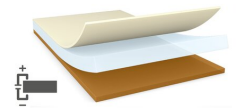


# tesa® 60318

## Product Information



50 µm single sided best conductivity & Low Activation Pressure electrically conductive copper tape

### Product Description

tesa® 60318 is best conductivity & Low Activation Pressure electrically conductive copper tape. It consists of electrically conductive copper backing and specially designed single sided conductive adhesive coating layer. Designed for EMI shielding for display, antenna and other components applications.

### Product Features

- High and stable electrical conductivity
- Excellent EMI shielding performance
- Excellent electrical conductivity in XYZ-direction even under low lamination pressure process
- Good bonding strength
- High heat spreading performance with copper backing

### Application Fields

- FPC shielding
- Component shielding with pressure sensitive application
- Shielding application with high conductivity
- OLED display related application

### Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

### Product Construction

|                    |                    |                      |             |
|--------------------|--------------------|----------------------|-------------|
| • Backing          | copper film        | • Color              | orange      |
| • Type of adhesive | conductive acrylic | • Color of liner     | transparent |
| • Type of liner    | PET film           | • Thickness of liner | 50 µm       |
| • Total thickness  | 50 µm              |                      |             |

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## Product Information

### Properties/Performance Values

- |                                            |                        |                                          |                  |
|--------------------------------------------|------------------------|------------------------------------------|------------------|
| • Contact resistance z-direction (2kg)     | 19 mOhm                | • Joint resistance x-y-z-direction (50g) | 34 mOhm          |
| • Contact resistance z-direction (50g)     | 21 mOhm                | • Release of liner                       | easy             |
| • Contact resistance z-direction (initial) | 0.03 Ohm / square inch | • Surface resistance x-y-direction       | 0.2 Ohm / square |
| • Joint resistance x-y-z-direction (2kg)   | 31 mOhm                |                                          |                  |

### Adhesion to Values

- |                              |          |                              |          |
|------------------------------|----------|------------------------------|----------|
| • Steel                      | 4.2 N/cm | • Steel (50g; after 14 days) | 5.5 N/cm |
| • Steel (2kg; after 14 days) | 6.2 N/cm | • Steel (50g; initial)       | 4.2 N/cm |
| • Steel (2kg; initial)       | 5.6 N/cm |                              |          |

### Additional Information

- tesa method: tested by 4mm x 4mm tesa jig

### Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



For latest information on this product please visit <http://l.tesa.com/?ip=60318>