

**ZOFLEX® CD75** is highly conductive with a Shore A hardness of 75. Compared to our pressure-activated conductive rubber, it is highly conductive without applying any pressure. It can be used as flexible electrical contacts, RFI/EMI shielding and antistatic materials.

Characteristic	Data	Conditions
Operating Voltage Range	0-15V	DC, AC
Volume Resistivity	0.06 ohm·cm	25°C, 1cm cube, opposite faces
Resistance	0.8 ohm	25°C, 1cm square, 1mm thick, opposite sides 1cm apart
Maximum Current	0.3A @ 15V	1cm <sup>2</sup> , 1mm thick
Shore A Hardness	75	25°C
Density	1.73 g/cm <sup>3</sup>	25°C
% Elongation	20%	25°C

### Application notes:

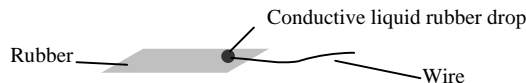
#### 1. Attaching CD75 to plastics, rubber, wood or metal:

RTV silicone adhesive/sealant can be used to perform the task.

1. Make sure the surfaces are clean.
2. Apply a thin bead of silicone
3. Cure at 25°C for ~1-2 hrs
4. Cure at 45°C for ~4-5 hrs

#### 2. Wire Attachment:

**Method 1:** Use our Zoflex® FL conductive liquid rubber (sold separately). Please make sure to apply enough liquid conductive rubber to achieve thickness (after cure) of at least 1mm.



**Method 2:** Set a brass or copper eyelet in a conductive rubber sheet (see picture below), and then solder wires to the eyelet.

