



U-bend specimen for the breakdown voltage test



Technical parameters:

According to Standard	IEC60851-5-Fig3
Ball diameter	< ϕ 2mm
Bucket size	Φ 150mm*150mm high

Test procedure

A straight piece of wire of sufficient length, with the insulation removed at one end, shall be bent around a mandrel as shown in Figure 3.

The diameter of the mandrel shall be 50 mm \pm 2 mm.

The specimen shall be placed in the container and shall be surrounded by shot at least 5 mm between the specimen and the inner walls of the container.

The ends of the specimen shall be sufficiently long to avoid flashover.

The shot shall be poured gently into a container until the specimen is covered by shot at a depth of 90 mm.

The metal shot shall be not more than 2 mm in diameter;

The test voltage shall be applied according to IEC60851-5-cl.4.1 , between the conductor and the shot.

Five specimens shall be tested. The five single values shall be reported

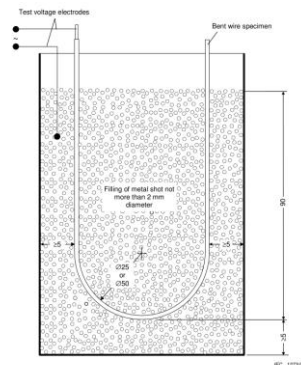


Figure 3 – U-bend specimen for the breakdown voltage test (specimen placed in shot bath)