

5.8.1.3 Procedure

Attach the weights specified in **Table 7** to the end conductor portions of the sample. As shown in **Figure 10**, hang the sample on mandrel horizontally installed specified in **Table 7**. Heat the sample and mandrel in the aging tank at the temperature of (120 ± 2) °C for 120 hours. After that, cool the sample to the room temperature and hang it on the mandrel in the opposite bend direction from the state when it was hanged when heated. Then, perform the voltage resistance test specified in **5.2.2**. The following changes, however, shall be made to the procedure specified in **5.2.2**.

- It shall be 10 minutes to soak the sample in salt water before the voltage is applied.
- The voltage of 1 kV (rms) shall be applied for 1 minute (after that, the voltage shall not be increased).

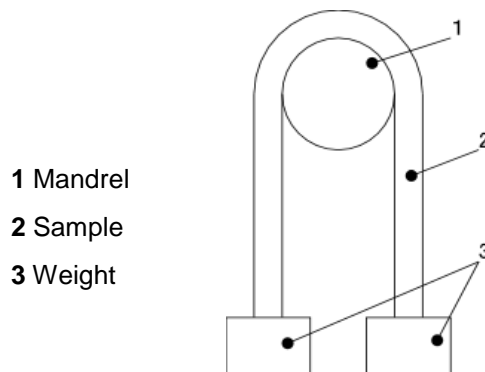


Figure 10 Heat resistance test 1A equipment

Table 7 Heat resistance test 1A equipment

Nominal conductor cross section mm ²	Mandrel diameter mm	Weight mass g
0.3 min., 0.85 max.	115	450
1.0 min., 1.25 max.	165	
1.5 min., 3 max.		255
4 min., 8 max.	2700	
10 min., 40 max.	4500	
50 min., 100 max.		

5.8.2 Heat resistance test 1B

5.8.2.1 Sample

Take an approximately 600 mm long sample from the cable and remove the insulator at both ends of the cable by approximately 25 mm.

5.8.2.2 Equipment

The aging tank, ~~and mandrel~~ ~~and weights~~ specified in **Table 8** shall be used.