



Figure 22. Test 1: Oscillogram showing intermittent current during a flashing event.

Examination of the bundles after the tests shows that the damage and char build up was over a $1/2$ to $5/8$ inch length of the wire bundle. In each test, the conductor of 2 (test 1) or 3 (test 2) of the wires were eroded away up to $1/2$ of an inch. In test 1 the eroded conductors were from wire [A1] and wire [B2] (wire [B2] was not originally damaged but must have become damaged soon after the start of the test.). In each test, two of the five previously undamaged wires failed a wet dielectric test. Figure 23 shows the sample from Test 2 after being removed from the arc tracking apparatus.