

# Randall's Island Fire Academy Test

<u>Test Voltage (DC)</u>	<u>Agent</u>	<u>Digital DC Ammeter Reading</u>	<u>Digital DC Voltmeter across 5K ohm resistor</u>	<u>Distance</u>
0 KV with/without water	None	7.2 microamps	30 millivolts	25 ft
50 KV	Water Only	9.5 to 13.0 milliamps	62 volts max	25 ft
50 to 35 KV	Thunderbolt	4.9 to 35.2 milliamps	170 volts max	25 ft
50 to 45 KV	Cold Fire	6.1 to 26.6 milliamps	125 volts max	25 ft
50 to 40 KV	Fire Aid AFFF	6.3 to 20.9 milliamps	112 volts max	25 ft
50 to 40 KV	Alcohol Resistant	5.9 to 17.9 milliamps	85 volts max	25 ft
50 to 40 KV	F500	6.2 to 25.2 milliamps	120 volts max	25 ft
50 to 40 KV	Universal Gold ARHFFF	7.3 to 21.3 milliamps	103 volts max	25 ft
50 to 20 KV	Floral Polyal (brown color)	6.9 to 50.4 milliamps	250 volts max	25 ft
50 KV	Water Only	0.53 microamps	170 volts max	25 ft
50 KV	Fire and Ice (powder)	Inconclusive (clog at powder intake)	Inconclusive (clog at powder intake)	25 ft
50 KV	Fire and Ice (powder)	.2 microamps	1 millivolt max	25 ft
50 KV	Fire and Ice (powder)	.2 microamps	1 millivolt max	10 ft
50 KV	Fire and Ice (powder)	.2 microamps	1 millivolt max	5 ft