

High Voltage Insulation Performance Test Data

Date 2026/9/21

Item	Test Item	Electrode spacing	Voltage	Electric current(MA)	Test results	
ACF2205 and CF2205 (1#-3# sections carbon fiber, 4#-5# sections glass fiber)	1#-3# sections carbon fiber ,fully extended	3360mm	2.6 kV	40 mA		NO
	1#-5# section Partially extended	4000mm	20 kV	1 mA	OK	
	1#-3# sections Partially extended 4#-5# glass fiber sections fully extende	2720mm	40 kV	0.03 mA	OK	
	1#-5# section Full Extension	6650mm	80 kV	0.05 mA	OK	
D50 Gutter cleaning pole	2 carbon fiber sections	1500mm	2.6 kV	40 mA	OK	
	only 2 fiberglass bottom sections	2100mm	80 kV	0.05 mA	OK	
	2 carbon fiber sections + 2 bottom sections full Extension	6000mm	80 kV	0.05 mA	OK	

Safety Notice:
The above test results were obtained under controlled laboratory conditions and are intended for reference only.
In actual working environments, factors such as moisture, water spray, water flow, dirt, and surface contamination may reduce the insulation performance of the product. For safety reasons, users must fully extend the fiberglass insulation sections before operation and follow applicable safety requirements and operating procedures.