



NEPEAN
Power

Stand-Off Insulators Low Voltage

AVAILABLE FROM
NEPEAN ELECTRONICS



NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

NEPEAN Power offers a range of low-voltage stand-off insulators with a total of 4 sizes available. These cost-effective insulators offer great stability of electrical and mechanical parameters and very high resistance to leakage current. The insulators are manufactured from a halogen-free fiberglass-reinforced thermalset unsaturated polyester molded compound (BMC), with electro-plated zinc inserts.

The insulators work in temperatures from -40° to 140°C.

Drawing	Part Number	Specifications	
	SM-20	Tensile Strength (lbs)	300
		Voltage Withstand (KV)	5
		Torque Strength (ft lbs)	4
		Screw (mm)	5
		Screw Depth (mm)	7
	SM-30	Tensile Strength (lbs)	550
		Voltage Withstand (KV)	8
		Torque Strength (ft lbs)	8
		Screw (mm)	8
		Screw Depth (mm)	11

Drawing	Part Number	Specifications	
	SM-45	Tensile Strength (lbs)	1000
		Voltage Withstand (KV)	14
		Torque Strength (ft lbs)	20
		Screw (mm)	8
		Screw Depth (mm)	11
	SM-60	Tensile Strength (lbs)	1200
		Voltage Withstand (KV)	20
		Torque Strength (ft lbs)	35
		Screw (mm)	10
		Screw Depth (mm)	15

Stand-Off Insulators High Voltage

AVAILABLE FROM
NEPEAN ELECTRONICS



NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

NEPEAN Power offers a range of high-voltage stand-off insulators with a total of 3 sizes available. These cost-effective insulators offer great stability of electrical and mechanical parameters and very high resistance to leakage current. The insulators are manufactured from a halogen-free fiberglass-reinforced thermalset unsaturated polyester molded compound (BMC), with brass inserts.

Part Number	End Diameter (A/B) mm	Height (mm)	Surface Leakage Distance (mm)	Rated Voltage (kV)	Low Frequency Dielectric Strength (kV)	Impulse Voltage Resistance (kV)	Persistent Strength (kg)	Tensile Strength (kg)	Torque Strength (kg-m)
EL-12	58	130	172	12	36	95	300	>2000	>25
EL-6M	70	90	125	7.2	22	75	400	>1200	>25
EL-3M	70	60	88	3.6	16	60	400	>1200	>25

Part Number	Insert Arrangement											
	Top					Bottom						
	A1	A2	A3	AX	AY	S1	S2	S3	S31	SX	SY	SY1
EL-12	M10	M8		36		M10/M16						
EL-6M	M10	M8		40		M10						
EL-3M	M10	M8		40		M10						

