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COMPOSITE INSULATOR

Polymer Cross-arm Insulator

The composite crossarm insulator, or polymer crossarm insulator or silicone rubber crossarm insulator has an effective use of a narrow corridor pressure transmission and applicable to rebuild of city power net. It can also reduce the tower height, saving manpower, material and financial resources. It has a superior performance than porcelain insulator. The type code is normally FS Type.



cross-arm composite insulator

Type	Distance from conductor groove to install hole L mm	Insulating Length L mm	Conductor Size		Install size		Dia.of Stabilization hole $D2 \pm 0.5$ mm	Distance from Install hole to Stabilization Hole $a \pm 1$ mm	Minimum nominal greepage distance mm	Imin wet power frequency withstand voltage kv (virtual value) \geq	Lightning impulse withstand voltage kv (virtual value) \geq	Rated bending load kn \geq
			L2 mm	R mm	Dia.of Hole $D \pm 0.5$ mm	Heigh $h \leq$						
FS-10/1.0	300	211	28	8	16	/	16	/	380	40	105	1.0
FS-10/5	385	245	28	14	2-18	60	7	40	500	45	165	5
FS-35/5	620	490	28	14	2-22	60	2-11	40	1180	100	265	5
FS-35/5-2	620	490	28	14	2-22	140	2-11	40	1400	100	265	5
FS-35/5-3	620	490	28	14	2-22	140	2-11	40	1120	100	265	5
FS-110/5	1268	1060	33	16	24	100	2-13	45	3150	230	550	5