CYG Insulator Co.,Ltd.(CYG Insulator), the leading composite insulator manufacturer in china, a controlled subsidiary of Changyuan Technology Group Ltd.(SH: 600525), established in 1994 ,is an national hi-tech enterprise specially engaged in the research &design, manufacture and sales of composite insulators for transmission line(TL)，substation(SS), distribution line(DL), electrical railway(Rail),composite insulation components(CIC) and composite surge arrester for distribution line(CSA).

CYG Insulator has the capacity and ability of researching, manufacturing and inspection both ±1100kV HVDC and 1100kV HVAC and below voltage. The factory has the advanced manufacturing facilities covering two sets of 100% auto silicone rubber lines, over 30sets of whole injection machines along with 300 injection moldings and over 10 sets finpower-made crimpling machines. Also CYG Insulator has the test & inspection facilities covering the chemical/Physical lab, Mechanical Lab, Aging Lab and Electrical Lab.

Now CYG Insulator has been one of the biggest famous insulators' company in manufacturing technology, production capacity, product quality and market shares. And his products have recognized and praised by various consumers worldwidely

CYG Insulator is certified by ISO 9001/ISO14001/ISO45001

INJECTION WORKSHOP

COMPOSITE INSULATOR FOR TRAMSMISSION LINE (POST TYPE)

Composite Line Post Insulators offer the ultimate solution in improved performance. Because of its hydrophobicity, this material inherently resists water filming thereby limiting leakage currents. Insulators with reduced leakage currents, even when contaminated, require less frequent washing. The savings in such maintenance costs are added benefits of using silicone insulators.

Application: Composite Line Post Insulators are used on overhead lines operating at or below 230 kV.
These insulators are used to support line conductors such as line terminations, angles, and tangents. With the special fitting design, these insulators can be installed at steel tower or wooden pole used with bare or covered conductors.

Component: Composite Line Post Insulators are consisted of E-CR fiber reinforced polymer rod, metal fitting and housing materials. The glass must be electrically and chemically stable (ECR glass) and the housing(including the sheath and sheds) must be HTV silicone rubber with high hydrophobicity and high tracking & erosion resistance performance.

Technology Innovation: For HTV SR, CYG has its own patent formula and its own patent of the production process; For process, CYG creats the unique whole molding injection/sealing

DESIGNATION(Line Post Insulator)

Letters CLP (composite Line Post)

Specific Cantilever Load in kN

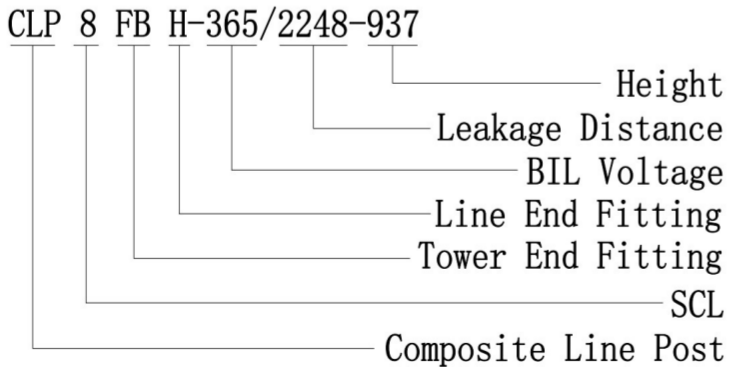
Three letters representing both end fittings, first two letters are for insulator fitting at tower/ground end and the third letter is for insulator fitting at line end

Two numbers separated by a slash, the first one represents the lighting impulse withstand voltage in kV and the second one the minimum creepage distance in

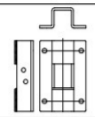
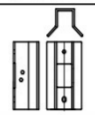
A dash followed by the total length in mm (this last information doesn't appear in the IEC 61466)

Designation Example(CLP 8 FB H-365/2248-937)

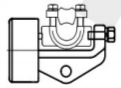
Composite line post insulator, Specific cantilever load equal to 8 kN, with Flat Bendable Gain Base fitting for the tower/ground side and Horizontal Trunion&Clamp fitting for the conductor side,the lighting impulse withstand voltage equal to 365 kV and minimum creepage distance of 2248 mm. The total length equal to 937 mm.



Line Post Tower End Fittings

SN	Tower/Pole	Fitting Type	Sketch	Catalog Code
1	Tower	Flat Bendable Gain Base		FB
2	Pole	Curved Bendable Gain Base		CB
3	Pole	Curved Fixed Gain Base		CF
4	Tower	Flat Fixed Gain Base		FF
5	Tower/Pole	Universal Fixed Gain Base		UF

Line Post Line End Fittings

SN	Fitting Type	Sketch	Catalog Code
1	Vertical Trunion&Clamp		V
2	Horizontal Trunion&Clamp		H
3	Drop Tongue		O

HIGH VOLTAGE CATAGLOGUE FOR LINE POST INSULATOR

SN	Designation	Voltage (kV)	Core diameter (mm)	Height (mm)	Insulation Distance (mm)	Dry Arc (mm)	Minimum Leakage Distance (mm)	Pollution level (mm/kV)	Wet Power Frequency withstand Voltage (kV)	Dry Lightening impulse withstand voltage(KV)	60-Hz Dry Flashover ANSI (kV)	60-Hz Wet Flashover ANSI (kV)	Positive Critical Impulse Flahover ANSI(KV)	SCL (kN)	STL (kN)	App. Weight Kgs
1	CLP8FBH-365/2248-937	69	45	937	737	780	1813	25	195	365	255	235	385	8	22	22.3
2	CLP8FBH-365/2248-937	69	45	937	737	780	2248	31	195	365	255	235	385	8	22	22.3
3	CLP10FBH-365/2248-937	69	53	937	737	780	1813	25	195	365	255	235	385	10	22	25.5
4	CLP10FBH-365/2248-937	69	53	937	737	780	2248	31	195	365	255	235	385	10	22	25.5
5	CLP12.5FBH-365/2248-937	69	60	937	737	780	1813	25	195	365	255	235	385	12.5	22	26.9
6	CLP12.5FBH-365/2248-937	69	60	937	737	780	2248	31	195	365	255	235	385	12.5	22	26.9
7	CLP15FBH-365/2248-937	69	60	937	737	780	1813	25	195	365	255	235	385	15	22	22.3
8	CLP15FBH-365/2248-937	69	60	937	737	780	2248	31	195	365	255	235	385	15	22	22.3
9	CLP20FBH-365/2248-937	69	68	937	737	780	1813	25	195	365	255	235	385	20	22	28.2
10	CLP20FBH-365/2248-937	69	68	937	737	780	2248	31	195	365	255	235	385	20	22	28.2
11	CLP8FBH-480/3150-1117	110	53	1117	917	960	3150	25	255	480	330	300	510	8	22	27.5
12	CLP8FBH-550/3910-1239	110	53	1239	1039	1090	3910	31	290	550	380	345	580	8	22	29
13	CLP10FBH-480/3150-1117	110	60	1117	917	960	3150	25	255	480	330	300	510	10	22	29.3
14	CLP10FBH-550/3910-1239	110	60	1239	1039	1090	3910	31	290	550	380	345	580	10	22	31
15	CLP12.5FBH-480/3150-1117	110	60	1117	917	960	3150	25	255	480	330	300	510	12.5	22	29.3
16	CLP12.5FBH-550/3910-1239	110	63.5	1239	1039	1090	3910	31	290	550	380	345	580	12.5	22	31.6
17	CLP15FBH-480/3150-1117	110	68	1117	917	960	3150	25	255	480	330	300	510	15	22	30.3
18	CLP15FBH-550/3910-1239	110	68	1239	1039	1090	3910	31	290	550	380	345	580	15	22	32
19	CLP20FBH-480/3150-1117	110	80	1117	917	960	3150	25	255	480	330	300	510	20	22	37.2
20	CLP20FBH-550/3910-1239	110	80	1239	1039	1090	3910	31	290	550	380	345	580	20	22	39.4

SN	Designation	Voltage (kV)	Core diameter (mm)	Height (mm)	Insulation Distance (mm)	Dry Arc (mm)	Minimum Leakage Distance (mm)	Pollution level (mm/kV)	Wet Power Frequency withstand Voltage (kV)	Dry Lightening impulse withstand voltage(KV)	60-Hz Dry Flashover ANSI (kV)	60-Hz Wet Flashover ANSI (kV)	Positive Critical Impulse Flahover ANSI(KV)	SCL (kN)	STL (kN)	App. Weight Kgs
21	CLP8FBH-665/3625-1419	132	60	1419	1219	1270	3625	25	340	665	455	405	700	8	22	33
22	CLP8FBH-708/4495-1500	132	60	1500	1300	1350	4495	31	366	708	490	435	747	8	22	33.8
23	CLP10FBH-665/3625-1419	132	60	1419	1219	1270	3625	25	340	665	455	405	700	10	22	33
24	CLP10FBH-708/4495-1500	132	60	1500	1300	1350	4495	31	366	708	490	435	747	10	22	33.8
25	CLP12.5FBH-665/3625-1419	132	68	1419	1219	1270	3625	25	340	665	455	405	700	12.5	22	34.6
26	CLP12.5FBH-708/4495-1500	132	68	1500	1300	1350	4495	31	366	708	490	435	747	12.5	22	35.6
27	CLP15FBH-665/3625-1419	132	80	1419	1219	1270	3625	25	340	665	455	405	700	15	22	42.2
28	CLP15FBH-708/4495-1500	132	80	1500	1300	1350	4495	31	366	708	490	435	747	15	22	43.5
29	CLP20FBH-665/3625-1419	132	90	1419	1219	1270	3625	25	340	665	455	405	700	20	22	52.7
30	CLP20FBH-708/4495-1500	132	90	1500	1300	1350	4495	31	366	708	490	435	747	20	22	54.5
31	CLP8FBH-550/3910-2080	220	68	2080	1880	1890	6300	25	520	1055	720	615	1115	8	22	44.9
32	CLP8FBH-550/3910-2321	220	68	2321	2121	2130	7812	31	575	1200	815	680	1265	8	22	47.9
33	CLP10FBH-550/3910-2080	220	80	2080	1880	1890	6300	25	520	1055	720	615	1115	10	22	53.2
34	CLP10FBH-550/3910-2321	220	80	2321	2121	2130	7812	31	575	1200	815	680	1265	10	22	57.1
35	CLP12.5FBH-550/3910-2080	220	80	2080	1880	1890	6300	25	520	1055	720	615	1115	12.5	22	53.2
36	CLP12.5FBH-550/3910-2321	220	90	2321	2121	2130	7812	31	575	1200	815	680	1265	12.5	22	72.5
37	CLP15FBH-550/3910-2080	220	80	2080	1880	1890	6300	25	520	1055	720	615	1115	15	22	53.2
38	CLP15FBH-550/3910-2321	220	90	2321	2121	2130	7812	31	575	1200	815	680	1265	15	22	72.6
39	CLP20FBH-550/3910-2080	220	90	2080	1880	1890	6300	25	520	1055	720	615	1115	20	22	67.2