



Distribution Line Post Insulators



DISTRIBUTION LINE POST INSULATORS

TE Energy offers a wide range of polymeric, porcelain and hybrid insulators. For decades these products have demonstrated reliable performance in various types of applications all over the world.

TE’s porcelain insulators were sold in the past with brand names of Morlynn, Dulmison and Zibo, and have 95 years of service experience in electric power supply and rail applications. Manufactured from high-quality non-porous electrical porcelain, they provide long life and cost-effective solutions for a majority of applications.

Raybowl hybrid insulators have a ceramic core and silicone elastomeric housing to offer the material property advantages of both. The proven high strength ceramic core provides the cantilever strength, while the hydrophobic silicone housing provides the weathering resistance. The design of this hybrid insulator improves the contamination withstand and enhances flash-over resistance.

Ethylene vinyl acetate (EVA) is used in TE’s Raychem line post insulators. EVA provides excellent performance in harsh environments. It is a non-tracking polymer that has been proven by longterm service experience and laboratory testing.

Contact your TE Energy sales representative for more information and for other applications not found in this brochure.

HYBRID

Description	System Voltage (kV)	Height (in)	Leakage Distance (in)	Dry Arc Distance (in)	Cantilever Strength (lbs)	Low Frequency Flashover Dry/Wet (kV)	Critical Impulse (kV)	Max. RIV (kV)	Weight (lbs)
LP-57-1HSG	15	11.4	21.26	8.28	2800	92/72	145	<10 at 15	7.7
LP-57-2HSG	25	13	25.43	9.5	2800	100/75	160	<10 at 22	9.9

Note: For other designs and custom made products, please contact your local TE Energy sales representative.

HYBRID LINE POST INSULATORS

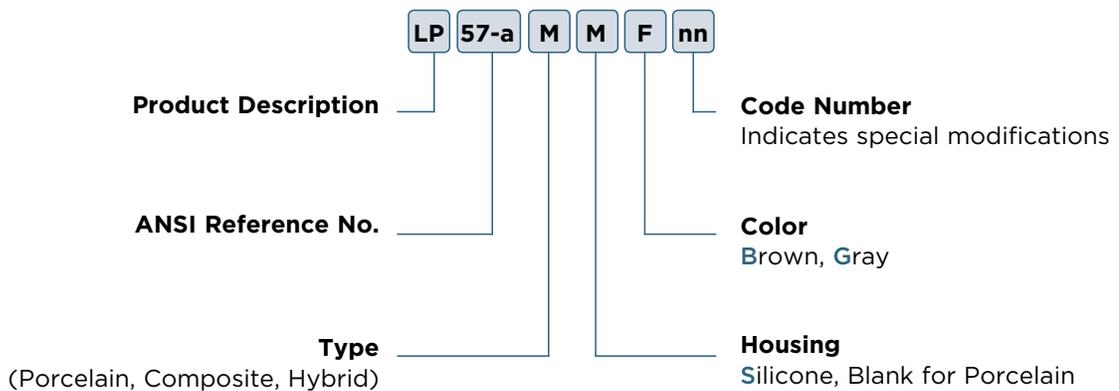
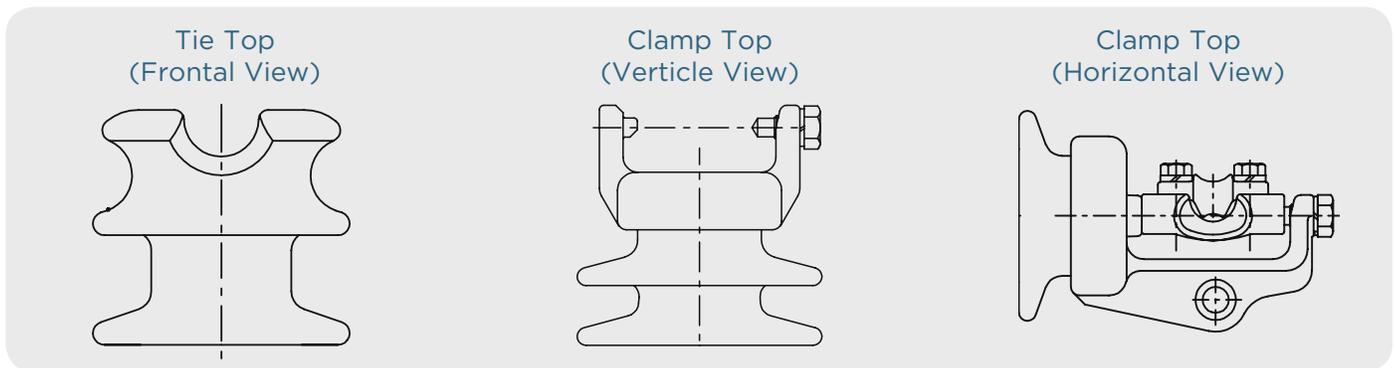
Hybrid line post insulators suit applications with system voltages up to 25 kV in highly polluted environments. They combine the best features of porcelain and polymer whereby a ceramic core provides mechanical strength and rigidity while a polymeric housing offers considerable weight reduction and superior electrical performance. The unique design generates huge reductions in leakage current and consequently provides considerable cost-savings due to reduced power loss. Hybrid insulators are the solution for any utility seriously concerned about green energy.



PORCELAIN

ANSI Class	Description	Height (in)	Neck	Leakage Distance (in)	Dry Arc Distance (in)	Cantilever Strength (lbs)	Low Frequency Flashover Dry/Wet (kV)	Critical Impulse Flashover Pos./Neg. (kV)	Max. RIV (kV)	Weight (lbs)
57-1	LP-57-1PG	9	F	14	6.5	2800	80/60	130/155	100	13.2
57-2	LP-57-2PG	12	F	22	9.5	2800	110/85	180/205	100	18.7
57-3	LP-57-3PG	15.00	F	29	12.25	2800	125/100	210/260	200	24.6
57-4	LP-57-4PG	17.00	F	40	14.50	2800	150/125	255/340	200	38.6
57-5	LP-57-5PG	20	F	45	17.24	2800	175/150	290/380	200	46.2
57-11	LP-57-11PG	10.63	Vertical	14	6.50	2800	80/60	130/155	100	16.5
57-12	LP-57-12PG	13.75	Vertical	22	9.50	2800	110/85	180/205	100	20.9
57-13	LP-57-13PG	16.50	Vertical	29	12.25	2800	125/100	210/260	200	26.3
57-14	LP-57-14PG	19.00	Vertical	40	14.50	2800	150/125	255/340	200	37.4
57-15	LP-57-15PG	21.625	Vertical	45	17.25	2800	175/150	290/380	200	41.8
57-21	LP-57-21PG	11.38	Horizontal	14	6.50	2800	80/60	130/155	100	17.4
57-22	LP-57-22PG	14.50	Horizontal	22	9.50	2800	110/85	180/205	100	21.8
57-23	LP-57-23PG	17.25	Horizontal	29	12.25	2800	125/100	210/260	200	27.3
57-24	LP-57-24PG	19.75	Horizontal	40	14.50	2800	150/125	255/340	200	38.3
57-25	LP-57-25PG	22.375	Horizontal	45	17.25	2800	175/150	290/380	200	42.7

Note: For other designs and custom made products, please contact your local TE Energy sales representative.



EVA INSULATORS

TE Energy’s Raychem EVA insulators are lightweight for easy installation, vandal and breakage resistant. The EVA housing material has excellent tracking and erosion resistance providing top performance under polluted and salt-air conditions.

All parts referenced in the chart below are red color with galvanized fittings. Bases are 3/4" UNC-10, and metric sizes are available upon request. Aluminum top fittings are also available.

EVA

Rated Voltage (kV)	TE Description	Height (in)	Neck	Leakage (in)	Dry Arc Distance (in)	Cantilever Strength (kV)	Low Freq. Flashover		Critical Impulse Flashover (kV)	Weight (lbs)
							Dry (kV)	Wet (kV)		
19	RLP-19R-FG-3/4NPG-M	11	F	16.7	6.65	2800	104	72	137	9.0
30	RLP-30R-FG-3/4NPG-M	14	F	27.44	9.25	2800	137	91	183	9.5
31	RLP-31R-FG-3/4NPG-M	15	F	30.32	10.24	2800	150	81	194	12.0
36	RLP-36R-FG-3/4NPG-M	16	F	36.3	11.81	2800	163	120	230	12.5
43	RLP-43R-FG-3/4NPG-M	18	F	42.3	13.40	2800	176	131	250	13.0
19	RLP-19R-VG-3/4NPG-M	12	Vertical	16.7	6.65	2800	104	72	137	9.0
30	RLP-30R-VG-3/4NPG-M	15	Vertical	27.44	9.25	2800	137	91	183	9.5
31	RLP-31R-VG-3/4NPG-M	17	Vertical	30.32	10.24	2800	150	81	194	12.0
36	RLP-36R-VG-3/4NPG-M	18	Vertical	36.3	11.81	2800	163	120	230	12.5
43	RLP-43R-VG-3/4NPG-M	20	Vertical	42.28	13.39	2800	176	129	250	13.0
19	RLP-19R-HG-3/4NPG-M	12	Horizontal	16.7	6.65	2800	104	72	137	9.0
30	RLP-30R-HG-3/4NPG-M	15	Horizontal	27.44	9.25	2800	137	91	183	9.5
31	RLP-31R-HG-3/4NPG-M	17	Horizontal	30.32	10.24	2800	150	81	194	12.0
36	RLP-36R-HG-3/4NPG-M	18	Horizontal	36.3	11.81	2800	163	120	230	12.5
43	RLP-43R-HG-3/4NPG-M	19.92	Horizontal	42.28	13.39	2800	176	129	250	13.0

For other designs and custom-made products, please contact your TE Energy sales representative. Also available in gray.

EVA horizontal Clamp

EVA “F” neck

EVA vertical clamp

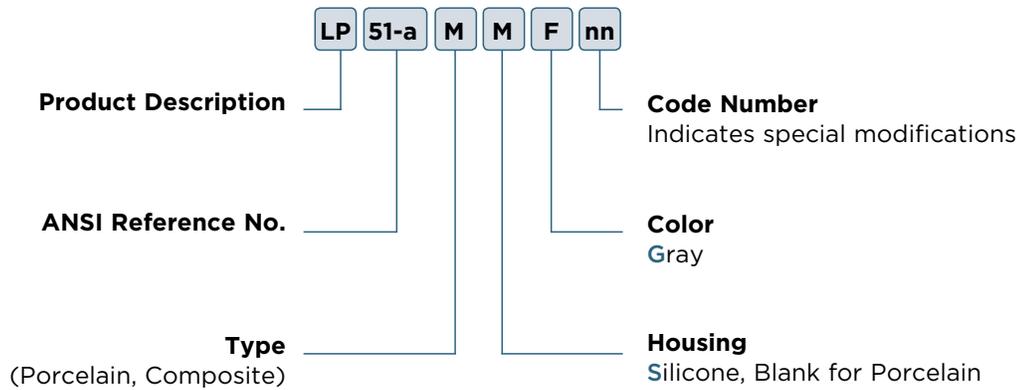


SILICONE

ANSI Class	Description	Height (in)	Neck (in)	Leakage Distance (lbs)	Dry Arc Distance (in)	Cantilever Strength (lbs)	Low Freq. Flashover		Critical Impulse Flashover (kV)	Max. RIV (uV)	Weight (lbs)
							Dry (kV)	Wet (kV)			
51-1	LP-51-1FCSG	10.80	F	21.7	8.66	2400	70	55	120	100	8.32
51-2	LP-51-2FCSG	13.20	F	27.2	10.80	2400	110	85	200	100	8.93
51-3	LP-51-3FCSG	15.16	F	33.6	12.91	2400	110	85	200	100	9.53
51-4	LP-51-4FCSG	16.10	F	37.0	14.06	2400	125	100	230	200	9.81
51-11	LP-51-11CSG	11.77	Vertical	21.7	8.66	2400	70	55	120	100	6.33
51-12	LP-51-12CSG	13.90	Vertical	27.2	10.80	2400	110	85	200	100	7.00
51-13	LP-51-13CSG	16.00	Vertical	33.6	12.91	2400	110	85	200	100	7.52
51-14	LP-51-14CSG	17.08	Vertical	37.0	14.06	2400	125	100	230	200	7.85
51-21	LP-51-21-CSG	11.61	Horizontal	21.7	8.66	2400	70	55	120	100	6.88
51-22	LP-51-22-CSG	13.74	Horizontal	27.2	10.79	2400	110	85	200	100	7.52
51-23	LP-51-23-CSG	16.00	Horizontal	33.6	12.91	2400	110	85	200	100	8.07
51-24	LP-51-24-CSG	16.93	Horizontal	37.0	14.06	2400	125	100	230	200	8.36

Note: Standard end fittings are galvanized steel.

For other designs and custom-made products, please contact your TE Energy sales representative



FOR MORE INFORMATION
te.com/energy

TE Technical Support Center

USA: +1 (800) 327-6996
Canada: +1 (905) 475-6222
Mexico +52 (0) 55-1106-0800
Latin/S. America: +54 (0) 11-4733-2200
UK: +44 (0) 800-267666
France: +33 (0) 1-3420-8686
Netherlands: +31 (0) 73-6246-999
China: +86 (0) 400-820-6015

energy.te.com

© 2011-2012 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All Rights Reserved.
8-1773462-7 E 456 07/2012

Raychem, TE Connectivity and TE connectivity (logo) are trademarks. Other logos, product and/or company names might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

