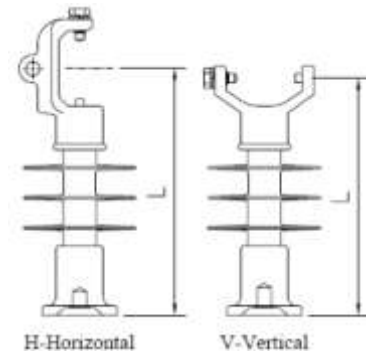


Electrical Distribution Safety

DISTRIBUTION COMPANY AWARENESS:

This Distributor Bulletin is to provide information on changes in the 25th Edition/2012 of the Ontario Electrical Safety Code (OESC). Section 75 of the OESC has been renumbered. This bulletin reflects changes to the new rule numbers in Section 75 and is intended to replace Information Bulletin DSB-02-11. It is recommended that copies of DSB-02-11 be destroyed and replaced with this bulletin.

ESA encourages all utility industry stakeholders to keep abreast of industry standards & specifications. To this end, ESA is providing the following example of an industry specification recommendation which LDCs may wish to adopt. This recommendation is made in CEA Purchasing Specification LWIWG-02, with reference to “Line Post Composite Insulator for Overhead Distribution Lines”. The Purchasing Specification addresses the differences between insulator classes.



*** The CEA Purchasing Specification LWIWG-02 lists class insulators (LP 28M, LP 46, LP 46M, etc...) and recommends that LP 46 class insulators not be used on grounded metal structures for the voltage class implied. The LP 46M insulator class is available and is a recommended option on a grounded metal structure.***

RECOMMENDATIONS:

- LDCs remain alert to industry standards & specifications. LDCs may wish to review the industry publications, such as, CEA Purchasing Specification LWIWG-02 to ensure the LDC’s standard design drawings accurately reflect desired construction practices.
- LDCs consider specifying insulator classes with the suffix “M”, when available, for use on their system standard design drawings when attached to grounded metal structures.
- LDCs consider grounded metal structures to include both metallic and steel reinforced concrete poles. The Ontario Electrical Safety Code addresses insulator class in Table 100.

Table 100
Minimum insulation on steel or concrete poles
(See Rules 75-400 to 75-404)

System voltage	Insulator type	
	Porcelain	Polymer
	Insulator class	
2.4/4.16-8/13.8 kV	(ANSI) Pin insulator 55-5 *3 (ANSI) LP 57-1L and 57-1S *5	(CEA) DS15 *1 (CEA) LP15 *2
14.4/24.9 and 16/27.6 kV	(ANSI) Pin insulator 56-3 *4 (ANSI) LP 57-2L and 57-2S *5	(CEA) DS28 *1 (CEA) LP28M *2
44 kV	(ANSI) Pin insulator 56-5 *4 (ANSI) LP 57-SL and 57-S5 *5	(CEA) DS46 *1 (CEA) LP46M *2

ANSI — American National Standard Institute
*3 — C29.5
*4 — C29.6
*5 — C29.7
CEA — Canadian Electricity Association
*1 — LWIWG — 01
*2 — LWIWG — 02

ADDITIONAL INFORMATION:

Information requests and follow-up may be directed to ESA at Utility.Regulations@ElectricalSafety.on.ca. For questions on this bulletin please be prepared to quote Bulletin “DSB-02/12”.