

Electrical Distribution Safety

DISTRIBUTION COMPANY AWARENESS – METER BASES

This Bulletin reviews the requirements for bonding meter bases and ESA “Application for Inspections” (permits) that pertain to Local Distribution Companies (LDCs).

LDC AND OESC AWARENESS

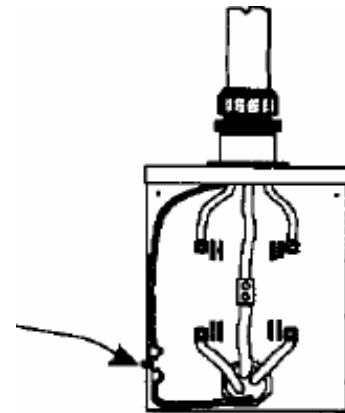
LDCs are required to obtain “Application for Inspections” any time they work on the OESC side of the demarcation point on customer owned equipment. This would include work to meter bases.

TECHNICAL AWARENESS

Meter base are required to be installed to meet the Ontario Electrical Safety Code (OESC) Table 16 for meter base bonding. LDCs should review and, when necessary, update Design Standard Drawings and Training to follow the requirements of OESC Table 16.

Table 16
Minimum Size Conductors for Bonding Raceways and Equipment

Rating or Setting of Overcurrent Device in Circuit Ahead of Equipment, Conduit, Etc. Not Exceeding — Amperes	Size of Bonding Conductor	
	Copper Wire AWG	Aluminum Wire AWG
20	14	12
30	12	10
40	10	8
60	10	8
100	8	6
200	6	4
300	4	2
400	3	1
500	2	0
600	1	00
800	0	000
1000	00	0000
1200	000	250 kcmil
1600	0000	350 kcmil
2000	250 kcmil	400 kcmil
2500	350 kcmil	500 kcmil
3000	400 kcmil	600 kcmil
4000	500 kcmil	800 kcmil
5000	700 kcmil	1000 kcmil
6000	800 kcmil	1250 kcmil



Example: 200A installations require a bonding conductor of #6 AWG Cu or #4 AWG Al, by means of a bonding screw.

ADDITIONAL INFORMATION

If you can provide additional information on this Bulletin or any other Utility issue, please contact ESA to share your experiences. Additional information requests, and follow-up information, may be directed to ESA. Please be prepared to quote Bulletin “DIB-10/06”.