

ELECTRICAL INSPECTION BULLETIN

B-06-302.2

Use of #10 AWG, Cu and #8 AWG, Al Service Wire



(Effective 12/02/1996)

This bulletin is issued to clarify NSPI's Electrical Inspection requirements pertaining to the acceptability of No. 10 AWG, Cu and No. 8 AWG, Al wire for use with customer services rated 30 amperes or less.

No. 10 AWG, Cu and No. 8 AWG, Al wire is acceptable under C.E.C. rule 6-302(4) for all metered and un-metered customer services when installed in compliance with the requirements of the Canadian Electrical Code Part 1.

Care shall be taken, however to ensure that all components of the system are approved for their specific use in accordance with rule 2-024. Specifically, all terminal lugs, both at the meter socket and at the consumer service switch must be approved for the size and type of wire being installed.

The practice of doubling smaller conductors to fit snugly into terminal lugs designed and approved for use with a larger range of wire sizes at consumer service switch or meter socket shall no longer be accepted for new, permanent or temporary services.

Existing Temporary Services constructed in this fashion will be accepted until such time they must be repaired or replaced.

Aluminium conductors may not be used with terminal lugs or enclosures marked "COPPER ONLY".

Consumer service switches (box) shall be approved and marked as "Service Entrance Rated" or some similar wording.