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General

This general guidance document is to provide clarity on which standard should be applied when assessing compliance criteria for triple insulated wire (TIW) used in transformers associated with lamp controlgear providing SELV outputs.

Question

Can the assessment of TIW to the requirements of Annex J of AS/NZS 62368.1, be accepted as evidence of compliance with double or reinforced insulation in transformers associated with lamp controlgear providing SELV outputs?

Answer

No, such transformers should comply with the requirements referred to in the controlgear standard not the Audio/ Video and Information Technology standard.

Annex L in the lamp controlgear standards (AS/NZS 61347.1) refers to clause 19.12 of IEC 61558-1. Clause 19.12.3 b) requires such winding wire to comply with Annex K.

Background

It has come to the attention of Regulators that there is an increasing number of applications for certification of lamp controlgear providing SELV output, where applicants claim compliance with double or reinforced insulation for transformers associated with such lamp controlgear on the basis that they use TIW approved as compliant to Annex J of AS/NZS 62368.1.

There is no evidence that the requirements from Annex J of AS/NZS 62368.1 provides same or better safety outcome than the requirements in AS/NZS 61558.1 (as an example, dielectric strength tests are not conducted at the same voltages).

The use of alternative compliance method that deviate from specific requirements in the product standards is not allowed, where there is no evidence that the alternative method will yield same or better safety outcome.