

OLEX – AS/NZS 4417 UPDATES

2.2 AMENDMENT — NSW Department of Fair Trading – Definition of 'Building Wiring Cable'

NSW Fair Trading have recently reviewed the scope of Building Wiring Cable as published in the NSW Gazette - a new definition has now been finalized and accepted as of May 2018. The new scope of Building Wiring cable will come into effect in NSW.

A single or multicore electric cable insulated with polymeric materials; that:-

- (a) has one to five conductors of stranded or solid cores of copper conductors; and*
- (b) has an insulated and laid up flat or circular configuration; and*
- (c) is sheathed or unsheathed; and*
- (d) has active phase conductors with a nominal cross-sectional area 0.5mm² to 16mm²; and*
- (e) has an insulation designation of V-75, V-90, V-90HT or X-90; and*
- (f) is intended for use in electrical installations at working voltages up to:-*
 - (i) 450/750V; or*
 - (ii) 0.6/1 (1.2) kV*

but does not include the following exempt types –

- (g) armoured, metallic screened and metal sheathed cables;*
- (h) halogen free cables;*
- (i) cables with a Fire Rating;*
- (j) Supply Flexible Cords;*
- (k) cables where the insulation of the conductors are not individually coloured;*
- (l) cables with a conductor flexibility of Class 5 or greater according to AS/NZS 1125*
- (m) cables not captured by the scope of AS/NZS 5000.1 or AS/NZS 5000.2*

Class Specification:-

For working voltages up to 450/750V - AS/NZS 5000.2: 2006; or

For working voltages up to 0.6/1 (1.2) kV - AS/NZS 5000.1: 2005

Note: A Supply Flexible Cord is captured by the definition of 'Supply Flexible Cord' elsewhere in this schedule.

Note: Cables where the insulation of the conductors are not individually coloured are usually considered control cables for specialised purposes.

Note: Cables that have a conductor flexibility of Class 5 according to AS/NZS 1125 are commonly known as Flexible Cable.

Note: Cables used for the 'consumers mains' and Extra Low Voltage cables are previously excluded by the Act by being outside the definition of electrical installation.

Note: The scopes of AS/NZS 5000.1 and AS/NZS 5000.2 do not apply to polymeric insulated cables for special installations and service conditions or for which there are separate Australian/ New Zealand Standards.