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Periodic Inspections for Older Installations

(a) For 63 Amp and 80 Amp cut-out fuses, 16 mm^2 meter tails are correctly sized for both free air or clipped direct to a surface installation methods and no comments are required. See note (i).

(b) For 100 Amp cut-out fuses and 16 mm^2 meter tails installed in free air, the following wording should be entered onto the PIR "It is recommended that the meter tails in this installation be replaced with 25 mm^2 size if and when the service head or service meter is replaced". See notes (i) and (ii).

(c) For 100 Amp cut-out fuses and 16 mm^2 meter tails installed clipped directly to a surface, Code 2 and the following wording should be entered onto the PIR "The meter tails in this installation require either re-installing in free air or replacing with 25 mm^2 size tails". See note (ii).

Notes:

(i) For meter tails installed in walls, trunking or similar, further de-rating is required and the following sizes should be present:

Cut-out size	Installation method	Minimum size
63 Amp	In trunking or conduit (ref method B)	16 mm^2
63 Amp	In trunking or conduit buried in an insulating wall (ref method A)	25 mm^2
80 Amp	In trunking or conduit (ref method B)	25 mm^2
80 Amp	In trunking or conduit buried in an insulating wall (ref method A)	35 mm^2
100 Amp	In trunking or conduit (ref method B)	25 mm^2
100 Amp	In trunking or conduit buried in an insulating wall (ref method A)	50 mm^2

(ii) The free air rating of 16 mm^2 cable is greater than 100 Amps but DNOs specified a size of 25 mm^2 for cut-outs of 100 Amp rating.

(iii) Where the size of the cut-out fuse cannot be ascertained, then the inspector has the option of either assuming 100 Amp size, or contacting the DNO.

(iv) The thermal withstand under short circuit conditions of is not a limiting factor on the size of cables required.