



- The length from point of supply to the point of consumption is 6 meters
- Cable shall be run on an enclosed conduit on ceiling and wall
- It's a one two-core cable single phase

Question

- What is the right cable size that must be used for this installation?
- What is the correct breaker size?

My Analysis

This 40A is the maximum current that can be achieved when both the cooker and the oven are switched on to maximum at the same time. Even though it is unlikely that these will both be switched on at the same time but the cable will be selected on this worst case scenario.

According to table 6.3 (a) on page 103 the conductor that can handle the current of the above load (using installation method 2) is a 10mm².

Mmmhh 10mm² seems too much for the stove thou??????

What is your take guys?