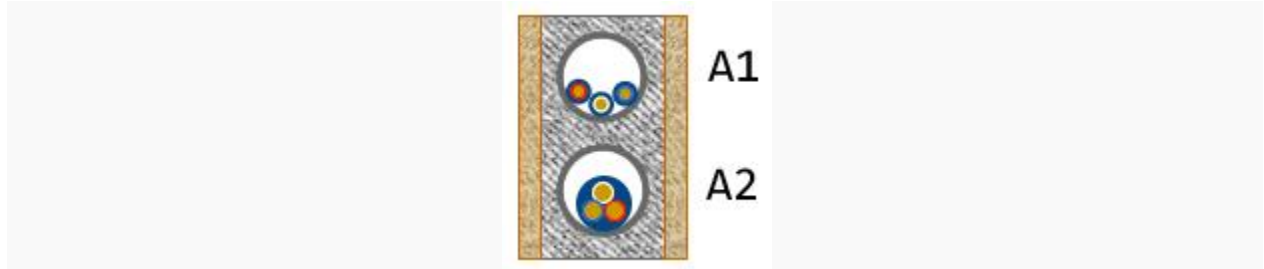


Cable Reference Installation Methods

Introduction

The IEC 60364 standard defines a number of installation methods which represent the various installation conditions. By the following icons, they are divided into groups and defined by the letters A to G which determine how to read the table of the current-carrying capacities in conductors.

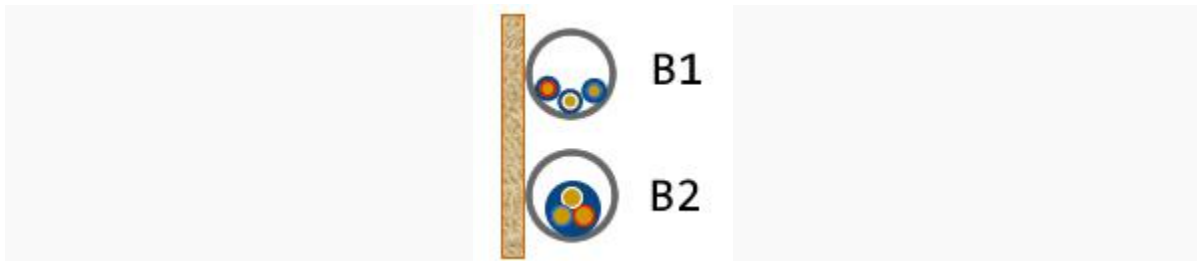
Method A



- A1 - Insulated single core conductors in conduit in a thermally insulated wall
- A2 - Multicore cable in conduit in a thermally insulated wall

This method also applies to single core or multicore cables installed directly in a thermally insulated wall (use methods A1 and A2 respectively), conductors installed in mouldings, architraves and window frames.

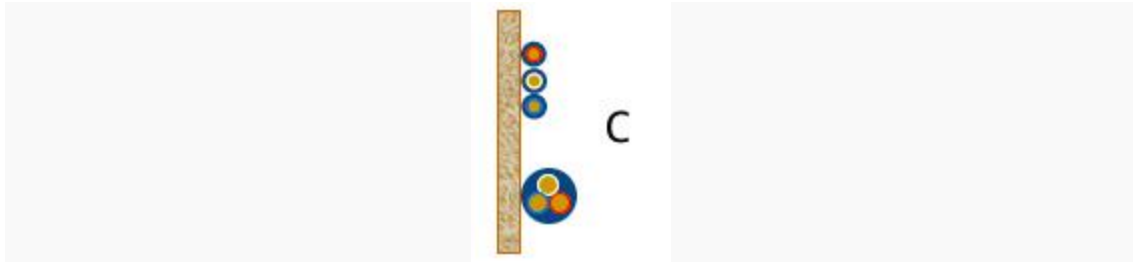
Method B



- B1 - Insulated single core conductors in conduit on a wall
- B2 - Multicore cable in conduit on a wall

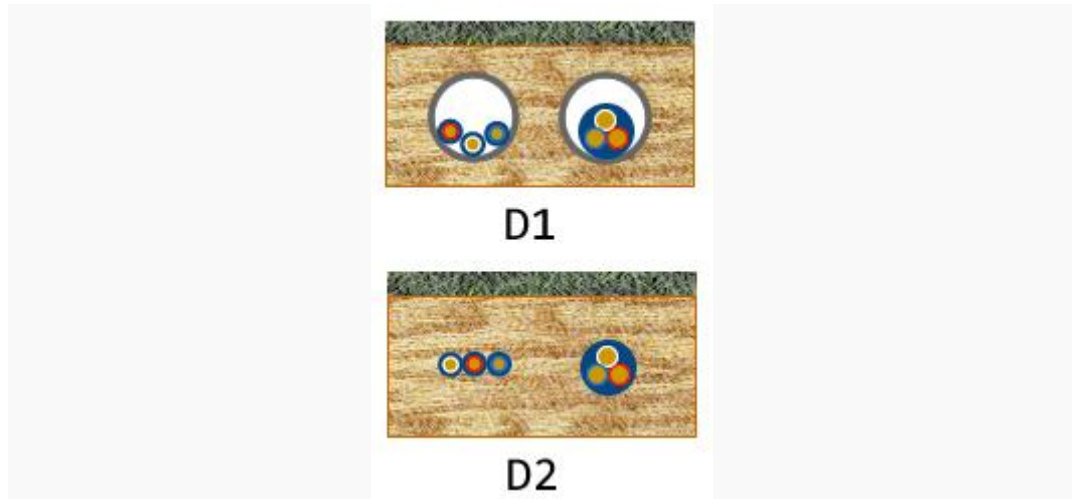
This method applies when a conduit is installed inside a wall, against a wall or spaced less than $0.3 \times D$ (overall diameter of the cable) from the wall. Method B also applies for cables installed in trunking / cable duct against a wall or suspended from a wall and cables installed in building cavities.

Method C



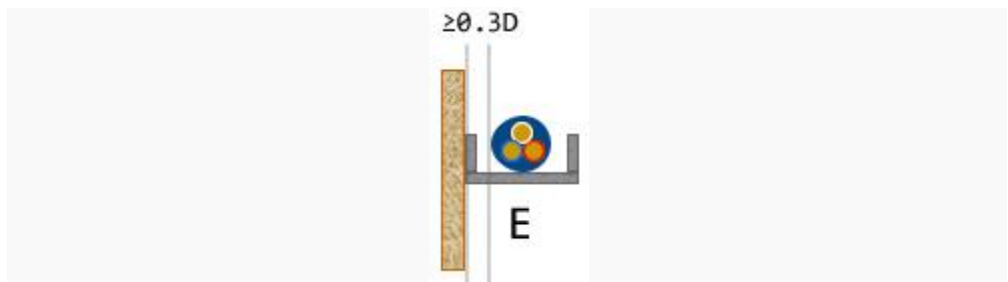
- C - Single core or multi-core cable on a wooden wall
This method also applies to cables fixed directly to walls or ceilings, suspended from ceilings, installed on unperforated cable trays (run horizontally or vertically) and installed directly in a masonry wall (with thermal resistivity less than 2 K.m/W).

Method D



- D1 - Multicore or single core cables installed in conduit buried in the ground
- D2 - Multicore or single core cables buried directly in the ground

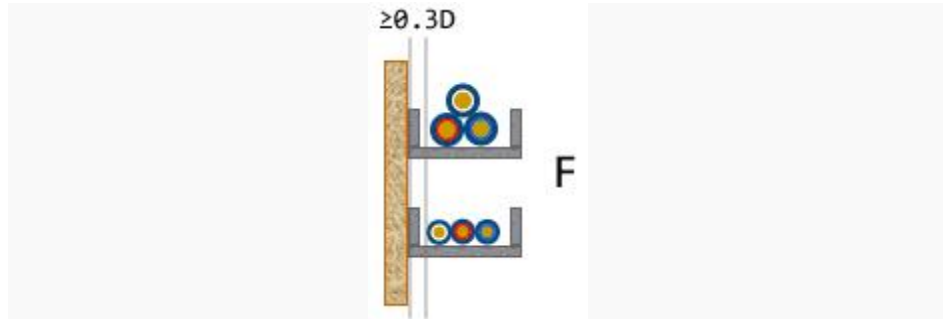
Method E



- E - Multicore cable in free-air

This method applies to cables installed on cable ladder, perforated cable tray or cleats provided that the cable is spaced more than $0.3 \times D$ (overall diameter of the cable) from the wall. Note that cables installed on unperforated cable trays are classified under Method C.

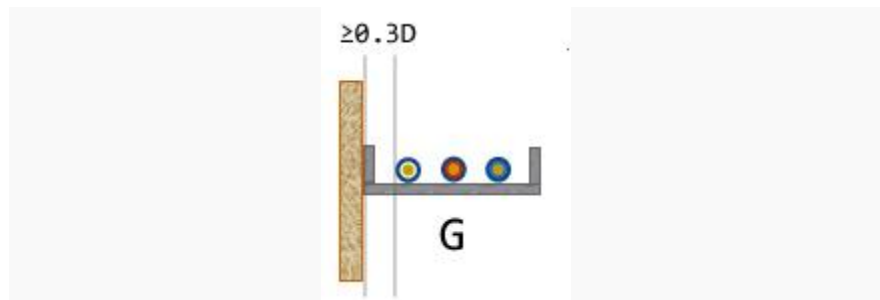
Method F



- F - Single core cables touching in free-air

This method applies to cables installed on cable ladder, perforated cable tray or cleats provided that the cable is spaced more than $0.3 \times D$ (overall diameter of the cable) from the wall. Note that cables installed on unperforated cable trays are classified under Method C.

Method G



- G - Single-core cables laid flat and spaced in free-air

This method applies to cables installed on cable ladder, perforated cable tray or cleats provided that the cable is spaced more than $0.3 \times D$ (overall diameter of the cable) from the wall and with at least $1 \times D$ spacings between cables. Note that cables installed on unperforated cable trays are classified under Method C. This method also applies to cables installed in air supported by insulators.

Source:

http://www.openelectrical.org/wiki/index.php?title=Cable_Reference_Installation_Methods