

BUS/SCS AV (white) cable**Description**

This cable is used to distribute all the power supplies and operating signals to the BUS devices of the system.

It consists of a white external sheath and two 50 mm² section brown and brown/white flexible twisted conductors. It is sold in 200 m coils.

- The cable complies with the EU305/2011 regulation on construction products (CPR).

- The cable DOP is available on the [website](#)

Therefore, it is suitable to be used in:

- Free air installation, inside trunking, trays and conduits
- Inside masonry walls, in appropriate conduits
- Underground, in appropriate conduits

Cable channels, trays and conduits must meet the regulatory requirements for the specific type of installation.

Technical data

Insulation voltage: 400 V

Underground installation: YES (see installation notes)

Colour of external sheath: white (RAL 9010)

Diameter of the external sheath: 5.0 +/- 0.1 mm

Thickness of the external sheath: 0.7 mm

Material of the external sheath: PVC (RZ)

Number of internal conductors: 2 sheathed unshielded twisted flexible conductors.

Colour of internal conductors: brown - brown/white

Thickness of the internal conductor sheath: 0.40 mm

Diameter of the internal conductor sheath: 1.70 mm

Material of the internal conductor sheath: LDPE polyethylene

Conductor material: red electrolytic copper

Conductor section: 0.50 mm² (16 x 0.20 mm²)

Operating temperature: (-15) – (+70) °C

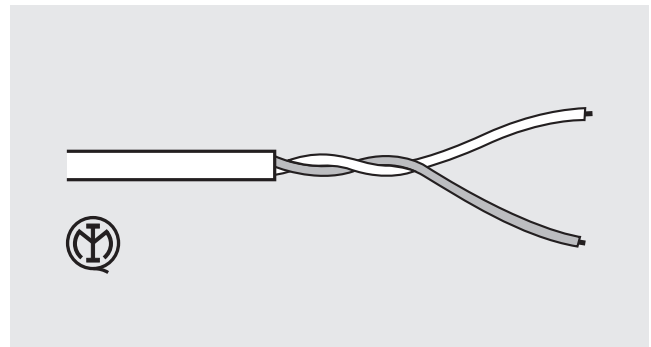
Class of Reaction to Fire: Eca

Coil length: 200 m

Standards, certifications, marks

Standards of reference - the cable meets the requirements of the standards: EN50575, EN60811, EN50289, EN50290, EN60228, EN50265-2-1, EN50395, EN50396 as described in the IMQ CPT 062 document.

Marks: 

**Installation notes****Cable underground installation**

The 336940 BUS/SCS cable can be installed underground (protected inside appropriate conduits), together with other signal cables, for voltages <50V.

Installation of cable 336904 together with power cables with energies >50V is strictly forbidden. Failure to comply with the installation requirements shall entitle BTicino to reject all liabilities on the operation of the systems installed.

Cohabitation with other cables

Although the construction of the white cable guarantees the necessary electrical insulation for cohabitation with 400 V system cables, there is no guarantee of immunity from electromagnetic disturbance, which may occur when the cable is installed inside the same conduits as the energy cables.

It is therefore strongly recommended that the white BUS/SCS cable and the power cables are installed in different conduits.