



CABLING 4D (For Design)

THE CAD SYSTEM FOR THE DESIGN AND MANUFACTURING OF ELECTRICAL HARNESSSES

Planning electrical harness from a functional and constructive point of view is no longer difficult. Cabling 4D is an AutoCAD Plug-In for the designing of electrical harnesses in several fields with special function for the design of wiring diagrams and harness layouts starting from the data produced during the planning phase.

CABLING 4D is suitable for both electrical designers and harnesses manufacturers giving that it facilitates the data exchange between the two fields.

Easy and intuitive to use, Cabling evolves in two design fields that communicate with each other: The **Wiring Diagram** for the electrical design of the harness and the **Harness Layout** for the definition of the constructive details. Both drawings can be represented in the same drawing.

The main characteristics of CABLING 4D:

- Based in a file that contains the materials data used (divided by type) and the technical information related. The data could be imported by an external file.
- Operative in AutoCAD environment.
- Easy and intuitive to use, with commands that make easier the design and documentation of the drawings (utilities).
- Possibility to draw directly the harness layout without designing the wiring diagram.
- Possibility to draw a harness layout starting from the wiring diagram and vice versa.
- Data Import: CABLING 4D consents to import the pin-to-pin connections data from a file in both the harness layout and wiring diagram environments. The material is identified during the import process allowing an assisted design.
- CABLING 4D automates the design proposing automatically the wire-terminals and the rubber sealing for ach connector according to the wires connected, avoiding traditional design issues.
- CABLING 4D has a symbols library to associate the materials codes and to visualize them on the schemes.
- Several information, including the connections lengths calculated automatically, are available and visible in the drawings immediately.
- A powerful control function allows the control and verification of the project in the Harness Layout environment.
- The automatic outputs are available as graphical tables, CSV and text formatted files. The outputs are refreshed automatically in case of changes to the drawing.

