

## Introduction to LappImport

### System Requirements:

AutoCAD ecscad 2010

### Installation:

After Unzipping of the downloaded file run setup.exe  
Start program in „Program Files/Autodesk/LappImport“

### Systematik:

For every cable in the LAPP cable catalog, there is information like:

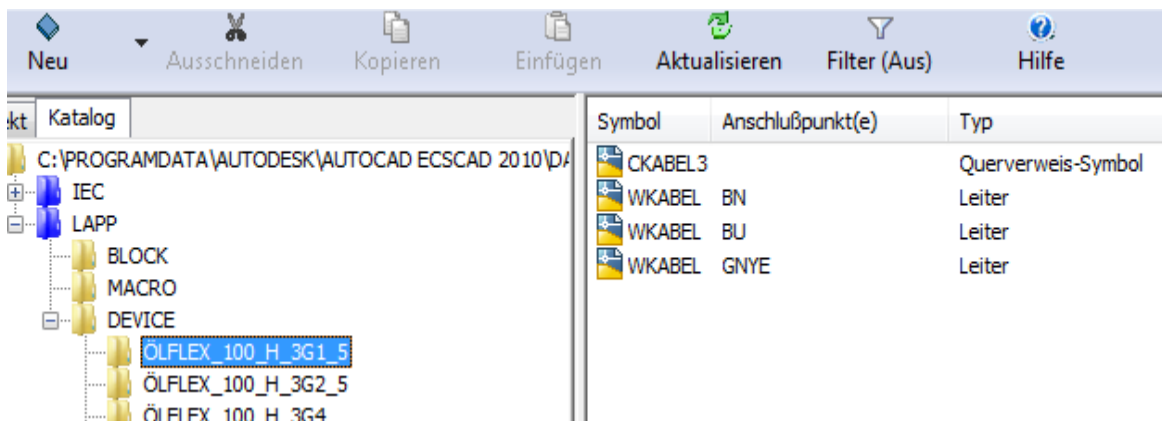
- Part number
- Cable norm (color/number)
- Number of wires
- With /without neutral
- Gauge

With this information there are created ecscad specific device types as well as articles in the article database.

### Example:

Artikelnummer	Artikel Deutsch	Produktbezeichnung	Farbe/Nummer	Anzahl Adern	Schutzleiter	Querschnitt
0014100	ÖLFLEX 100 H 3G1,5	ÖLFLEX 100 H	farbig nach VDE 0293-308	3	1	1,5

From this cable information, according the norm VDE 0293-303 there is created following device type:



The screenshot shows the AutoCAD interface with the 'Katalog' (Catalog) tree on the left and a list of symbols on the right. The 'LAPP' folder is expanded, showing sub-folders for 'BLOCK', 'MACRO', and 'DEVICE'. Under 'DEVICE', three folders are visible: 'ÖLFLEX\_100\_H\_3G1\_5' (selected), 'ÖLFLEX\_100\_H\_3G2\_5', and 'ÖLFLEX\_100\_H\_3G4'. The right pane shows a table of symbols:

Symbol	Anschlußpunkt(e)	Typ
CKABEL3		Querverweis-Symbol
WKABEL	BN	Leiter
WKABEL	BU	Leiter
WKABEL	GNYE	Leiter

Also there is a dataset created in the article database with information like partnumber and manufacturer.

### Functionality:

The user can select the ecscad catalog, in which cables are imported as „device types“ and also the article database, in which the cable data are imported.

The cables available for import are grouped by product description (e.g. „ÖLFLEX 100 H“). They can be selected all, as a group, or as single cables. After the import there is a logfile available, which informs about all imported cables and eventually occurred problems.

### Best Practice:

- Start AutoCAD ecscad and create a separate catalog, e.g. LAPP
- Start LappImport
- In the first dialog, select the catalog path (../CATALOG/LAPP).
- Select the article database (../DATABASE/ARTICLE.MDB)
- Select „Create Part numbers“, o.k.
- In the cable selection dialog, for a first test deselect all cables and select single cables or a group of cables
- After the import you should see the imported cables in the ControlCenter
- In the table of the article database, the imported cables should be seen within the manufacturer „LAPP KABEL“.

### Specialities:

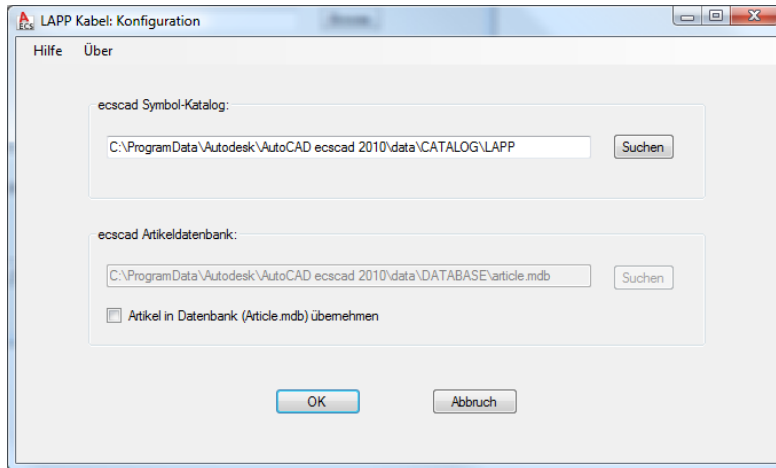
- The neutral wire (GNYE) will be created
- The created device type name is equal to the article description, where special characters like commas or other are substituted with an underscore.
- The length of the device type name is restricted to 32
- If the string would be too large, some names are substituted with an abbreviation (e.g. „ÖLFLEX“ through „ÖF“)
- A Protocol file will be created in the ecscad TMP directory as „LappImport.log“

### More Hints:

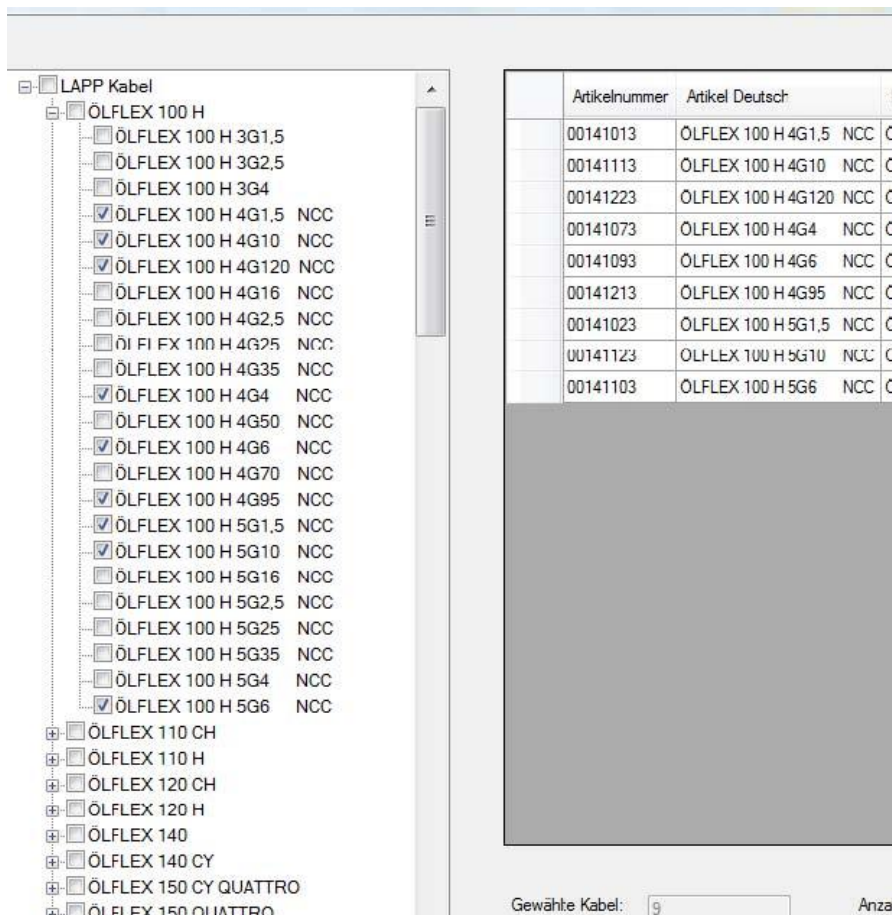
- Following product groups of the LAPP cable catalog are evaluated
- ÖLFLEX cables
- UNITRONIC cables
- LAPP THERM cables
- Multinorm cable wires with non-numeric description, like 2x2 are not evaluated. There are only cables evaluated, which are belonging to a color code (norm).

**Operation:**

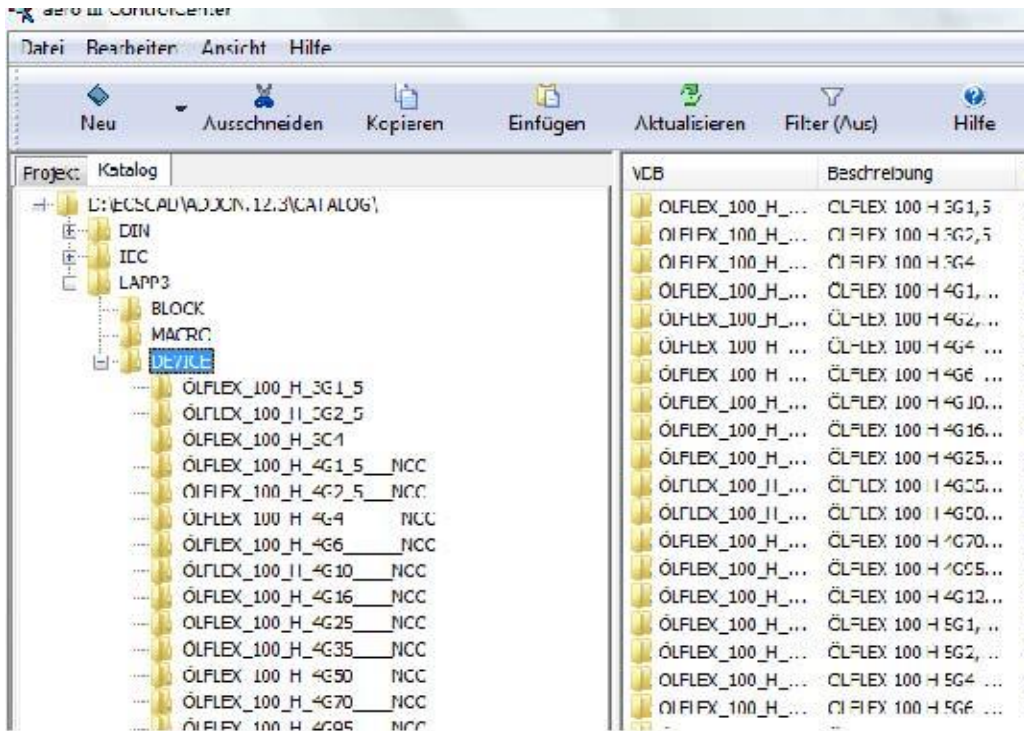
- Usually ecscad should have started, before LappImport is run. If ecscad doesn't run, the AutoCAD ecscad application is loaded automatically from LappImport.
- . In the first dialog, there can be selected the ecscad catalog, the article database and optional creation of the article in the article database.



Now the cables for the import can be selected. It is possible to select via product description (e.g. ÖLFLEX 100 H) or individual according the article description.



After confirmation with o.k. the cables are imported into the selected catalog, and the articles created in ARTICLE.MDB, if the appropriate option was used.



SUPPLIER	PARTNUMB	DESCR	SYMECL	MANUFACT
	0010000	ÖLFLEX CLASSIC 100 2X0,5		LAPP KABEL
	0010001	ÖLFLEX CLASSIC 100 3G0,5		LAPP KABEL
	00100023	ÖLFLEX CLASSIC 100 4G0,5 NCC		LAPP KABEL
	00100033	ÖLFLEX CLASSIC 100 5G0,5 NCC		LAPP KABEL
	0010004	ÖLFLEX CLASSIC 100 6G0,5		LAPP KABEL
	0010005	ÖLFLEX CLASSIC 100 7G0,5		LAPP KABEL
	0010006	ÖLFLEX CLASSIC 100 8G0,5		LAPP KABEL
	0010007	ÖLFLEX CLASSIC 100 10G0,5		LAPP KABEL
	0010008	ÖLFLEX CLASSIC 100 12G0,5		LAPP KABEL
	0010009	ÖLFLEX CLASSIC 100 14G0,5		LAPP KABEL
	0010010	ÖLFLEX CLASSIC 100 16G0,5		LAPP KABEL
	0010011	ÖLFLEX CLASSIC 100 21G0,5		LAPP KABEL
	0010012	ÖLFLEX CLASSIC 100 24G0,5		LAPP KABEL
	0010013	ÖLFLEX CLASSIC 100 27G0,5		LAPP KABEL
	0010016	ÖLFLEX CLASSIC 100 40G0,5		LAPP KABEL
	0010021	ÖLFLEX CLASSIC 100 2X0,75		LAPP KABEL

As Manufacturer „LAPP KABEL“ was created. The imported cables are now fully functional in AutoCAD eccscad.