

elecworks™ Tips & Tricks

Setting Up A Special Wire Numbering System

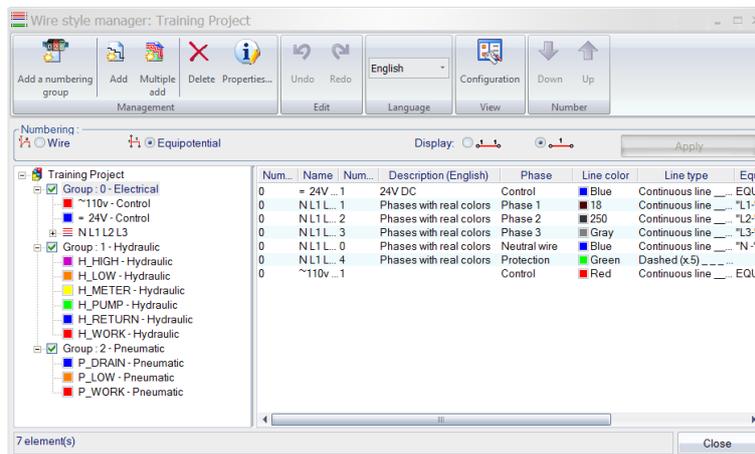
Your customer may require a special wire numbering system where each wire type has a unique wire numbering system. An example of this type of wire numbering system would be BEBS12 or indeed ENA TS 50 19 which has superseded it. Both of these standards are typically used in the nuclear and power generation industry.

As an *example* of this type of numbering system, you may have the following requirement:

AC live power wiring	H01, H03, H05 and so on
AC neutral power wiring	H02, H04, H06 and so on
DC live power wiring	J01, J03, J05 and so on
DC 0V power wiring	J02, J04, J06 and so on
24VDC control wiring	K1, K2, K3 and so on
All signal type wiring	S1, S2, S3 and so on
All alarm annunciation	X1, X2, X3 and so on
All lamp indication	L1, L2, L3 and so on

Right-click on the current project from the side panel > *Configurations* > *Wire Styles*

The following dialogue will appear:

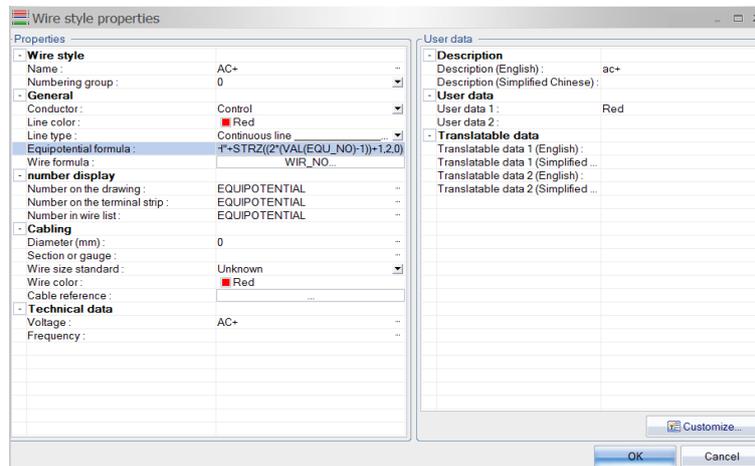


For the AC+ (as an odd number example)



Select

Highlight the new wire type and select



With the above wire type, the numbering system required is prefixed with “H”, a two-character number and only odd numbers so the equipotential formula becomes:

“H”+STRZ((2*(VAL(EQU_NO)-1))+1,2,0)

For the AC- (as an even number example)

The numbering system required is prefixed with “H”, a two-character number and only even numbers so the equipotential formula becomes:

“H”+STRZ((2*(VAL(EQU_NO)-1))+2,2,0)

For the alarm annunciation (as a sequential number example)

The numbering system required is prefixed with “X” and a sequential number

“X”+EQU_NO

For an example of a wire type prefixed by “Z” but with a two-character number

The numbering system required is prefixed with “Z”, a two-character number and a sequential number so the equipotential formula becomes:

“Z”+ STRZ(VAL(EQU_NO), 2, 0)

Of course, once you have setup your wire types in the elecworks™ project, it is worthwhile saving the project as a template project for future use