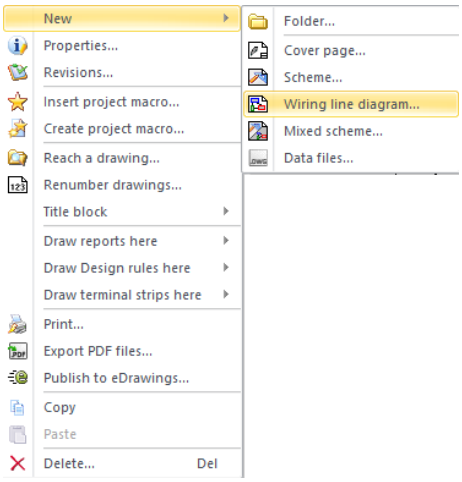
elecworks™ Tips & Tricks

Creating a Cable or Harness Drawing

In **elec**works™ you can create a cable drawing without having to create a detailed connection drawing!
This is extremely useful for harness design and allows the user to still provide comprehensive connections reports without the need to create a schematic detailed connection diagram.

Right click over the *Document Book*



Select *New* > *Wiring Line Diagram*

Right click over the drawing > *Properties* and define the following:

Description (English): Cable Drawing

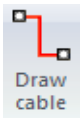
Select

Select

Insert Symbol

Insert two *Female connectors* as per the target drawing

Define the *Manufacturer* as HARTING
Define the *Reference* as 09152092701

Select 

Draw Cable

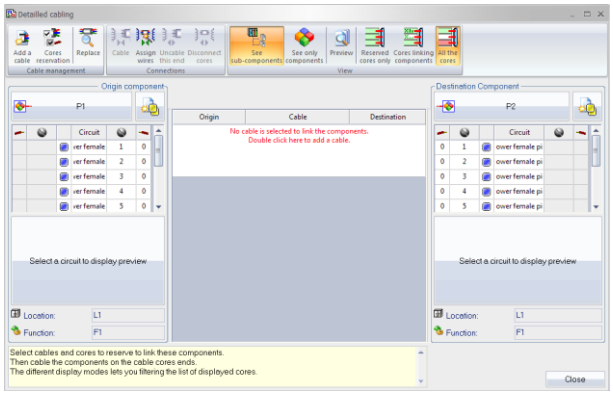
Draw a cable between the two connectors as per the target drawing

Select

Detailed Cabling

Pick the cable

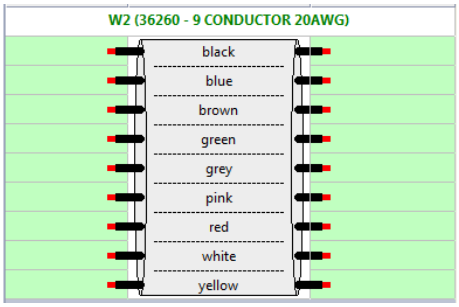
The connectors and the available pins will be shown in the following dialogue



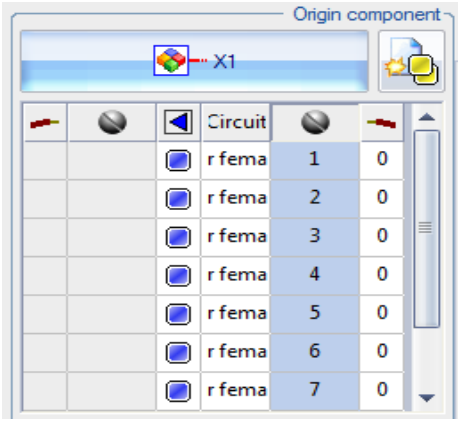
Select

Add a Cable

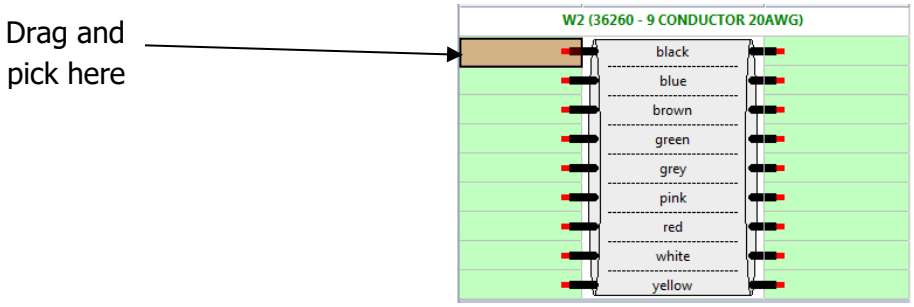
Add a Lapp 36260 9 conductor cable



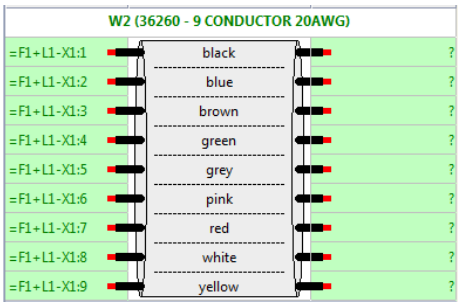
Using *Shift*, highlight all of the *Origin Component* pins as shown below



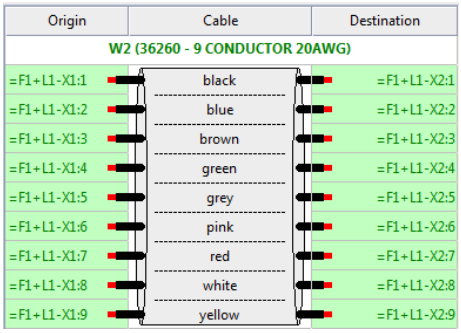
Still holding *Shift*, drag onto the first core of the cable (highlighted)



The *Origin Component* pins will now be shown in the left hand side of the cable



Repeat the process for the right hand side



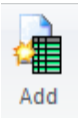
Select

The cable and its connections will now be shown in cable reports even though we have not produced a detailed schematic!
This is obviously a simple cable but more complex drawings can easily be produced

Select the *Process* tab

Select

Edit Reports

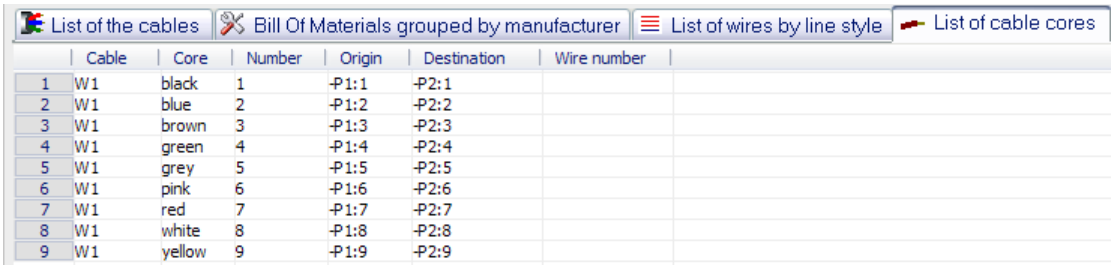
Select 

Add (if you do not have a *List of Cable Cores* report shown)

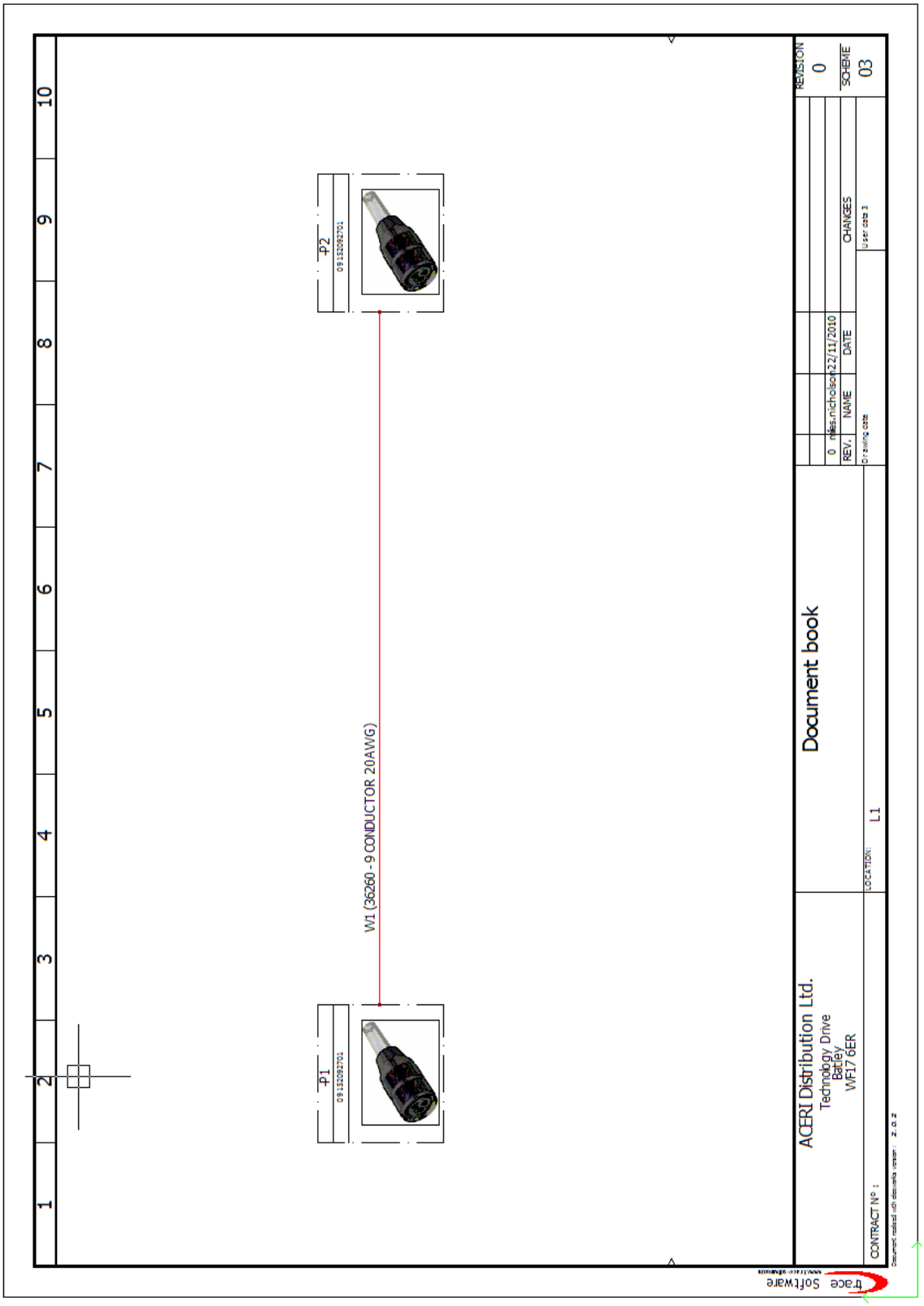
Check the option ☑ WiringCable_Metric *List of cable cores*

Select

The cable and its connections will now be shown in the report!



	Cable	Core	Number	Origin	Destination	Wire number
1	W1	black	1	-P1:1	-P2:1	
2	W1	blue	2	-P1:2	-P2:2	
3	W1	brown	3	-P1:3	-P2:3	
4	W1	green	4	-P1:4	-P2:4	
5	W1	grey	5	-P1:5	-P2:5	
6	W1	pink	6	-P1:6	-P2:6	
7	W1	red	7	-P1:7	-P2:7	
8	W1	white	8	-P1:8	-P2:8	
9	W1	yellow	9	-P1:9	-P2:9	


P2
P1
W1 (36260 - 9 CONDUCTOR 20AWG)
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