Wire Harness Cost

How-to guide: what the workbook does, how to use it and what every number means. mfgcalcs.com

Wire Harness Cost

Cost every wire harness from its standard build minutes at your efficiency and labour rate, its wire, connectors and other materials, against the quoted price and your target margin.

For: Estimators, cost and manufacturing engineers and programme managers at wire harness, cable assembly and electromechanical assembly shops.

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Quick start

1. On Setup, type your company, currency, loaded labour rate per hour and target margin.
2. On Harnesses, give each part number a row: circuits, standard build minutes, labour efficiency, wire, connectors, other materials, overhead and quoted price.
3. Fix anything the Check column names.
4. Open the Dashboard: where each harness's price goes and its margin against your target.

What is in the workbook

Start Here	Read this first: what the workbook does and how to use it.
Setup	Company, currency, the loaded labour rate, target margin and near band.
Harnesses	One row per harness: minutes, efficiency, materials, overhead and price in; total cost, margin and status out.
Dashboard	Where every harness's price goes, labour, materials and overhead, and its margin against your target.
Method	How every number is calculated, with assumptions, limits and sources.
Verify	Self-check: the workbook's formulas recomputed on fixed inputs against an independent reference.

What each number means

Quantity	How it is calculated	Units
Paid minutes	Standard minutes / efficiency.	min
Minutes per circuit	Standard minutes / circuits.	min
Labour cost	Paid minutes x loaded labour rate / 60.	currency
Materials	Wire and cable + connectors and terminals + other materials.	currency
Total cost	Labour cost + materials + overhead.	currency
Labour share	Labour cost / total cost.	%

Quantity	How it is calculated	Units
Margin	(Quoted price - total cost) / quoted price.	%
Status	On target at or above the target margin; Near target within the near band under it; Below target further under.	-

Assumptions, limitations, sources and the self-check (the Verify sheet, which recomputes the workbook's formulas on fixed test inputs) are in the workbook. The last page shows the Dashboard with the example data for Corvane Interconnect, a fictional business.

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Engineering estimates for planning and improvement work. Verify the results against your own process, data and standards before you rely on them.

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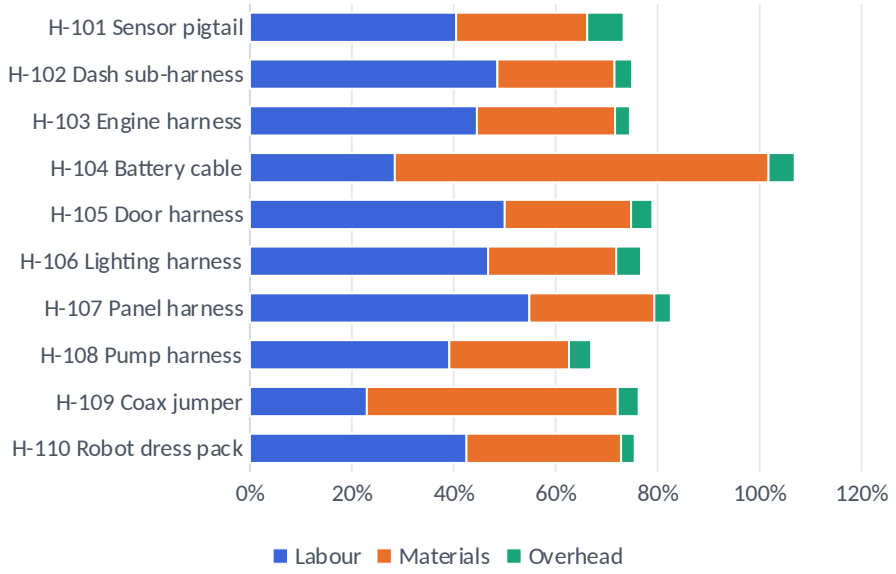
Where every harness's price goes, labour, materials and overhead, and its margin against your target.

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Corvane Interconnect (example): 10 harnesses at 51.00 USD a paid hour. Target margin 22%.

HARNESSES	LABOUR SHARE OF COST	HARNESSES BELOW TARGET MARGIN	LOWEST MARGIN
10	**60.2%**	**2**	**-6.9%**
Rows on Harnesses	All harnesses, one of each	Status Below target	On the quoted price

Cost as a share of price



Margin above (+) or below (-) target

