

Guide to Wire Harness Assembly



What is a wire harness assembly? A wire harness assembly is a collection of wires or cables that relay electrical power or signals. Cables and wires are often encased in a protective casing to keep the wires safe from outside damages and environmental factors. A [wire harness assembly](#) can save space that would've been taken up by separate wires and cables.

Benefits of Wire Harness Assemblies

There are many benefits of wire harness assemblies. Benefits include:

1. Save Space
2. Protect Cables and Wires
3. Increase System Efficiency

Save Space



One of the main reasons companies invest in wire harness assemblies is that they save space in your electrical boxes, as well as organize wires in a uniform, tidy space. When your wires are exposed, it can be hard to tell where they are connected, especially if they are different lengths and sizes. When you use a wire harness assembly, the wires and cables will all be cut to fit the space and will not get twisted up. You will be able to see each wire connected to the assembly, which is great for repairs.

Protect Cables and Wires

A wire harness assembly will prevent cables and wires from malfunctioning. Wires will be protected from environmental elements, like rain, snow, and sunlight, as well as damages from fallen objects and more. The outer layers of a wire harness assembly act as a buffer against moisture, lacerations, and vibrations.

Wire harness assemblies can also protect against electrical damages. Insulation inside the assembly assists in preventing electrical shocks, and decreases the possibility of electrical shorts.

Applications of Wire Harness Assemblies

Wire harness assemblies can be used in many industries and sectors, including but not limited to:

1. Agricultural Industry
2. Automotive Sector
3. Healthcare Industry
4. Manufacturing Industry



If you need a wire harness assembly for your business, consider working with a wire harness manufacturer. Wire assembly manufacturers know what wire assemblies work best in each industry, so they will help you build the right wire harness assembly to meet your needs.

Which Manufacturer Should You Use?

One of the best wire harness manufacturers in the USA is Star Engineering. Star Engineering builds custom wire harness assemblies and has been providing services for over 40 years. We are among the leading wire and cable harness manufacturers in the USA and work closely with our clients to ensure their needs are met.

All our manufacturing is performed in-house, allowing us to keep our costs low and our prices competitive. Our wire harness assemblies have dimensional build boards with automatic 100% continuity testing. We bring value to every client with our experience and expertise, and we guarantee your assembly will be made with high-quality materials. [Contact us](#) today for more information!

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