

Chapter 14

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WIRE HARNESSING FOR AUTOMOTIVE IN 3D EXPERIENCE PLATFORM

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Wire Harnessing refers to the bundle of wires implemented together to proper functioning of the electrical Equipment's inside Electric Vehicle.

The harness used not only in automotive industry but in aerospace, industry, mechanics and robotics field as well. The connection from the main body part to all interior component which provides sufficient energy and power requirements to the vehicle to move to desired position at a given interval of time

Learning Objective

Describe the components that makes up a vehicle wire-harness.

Repair a damaged section of wire.

Determine the correct wire gauge to be used based on the amperage and length of the conductor

Here we will also talk about how the 3D Experience platform helps to solve this risk of any unbalanced and improper wire harnessing where we can validate the performance of vehicle

To get overall idea about step by step work to make a proper wire harnessing in automation field or we can let a Electric Vehicle



Main Advantages of Proper Wire Harnessing

Wire Harnessing are group of wires which are grouped together to form a bundle and used to connect the wire to from a component to other component of the body. It is used in various big manufacturing industries. There main advantage to reduce the complexity of the wire inside the product as light as possible.