

Wiring Looms Explained

5 01 2011

Wiring looms are commonly used to transmit signals or energy currents to specific electrical devices. Find out more about wire looms and their useage in the electrical cabling industry.

Wiring looms are often classified as wire harnesses, cable assembly or wiring assembly, too.

Clamps bind the string of cables together in a wiring loom, and these clamps come in a variety of forms of which all or just one can be used for each loom.

Where are Wiring Looms Used?

[Wiring looms](#) are mostly used in motor vehicles and for heavy duty construction machinery in factories.

The benefits of using wiring looms in these devices means the wires do not become confused with other cables or wires, and do not become tangled up with the many other different cabling parts or moving parts needed in heavy duty machinery.

Binding them together also helps to secure them against high vibrations and moisture, the space inside the machine is optimised and a flame-resistant sleeve lowers the risk of electrical fires forming.

How are Wiring Looms Fitted?

Once the specified wires are clamped together, a wiring loom is easy to install as there is only one harness to connect as opposed to lots of separate, loose wires.

The actual wiring looms are designed depending on the machine they are needed for and its particular electrical requirements.

A special wire-cutting machine cuts the wires to the length they are needed and then strips them to the core so only the metal part is showing.

These wires are first fitted with any required terminals and assembled and clamped on a special pin board to form the harness.

Wiring looms tend to be manufactured by hand due to the different processes required to design them for their specific purposes.

Wiring Loom Manufacturers and Distributors UK

Hunter Cable Assembly Ltd is a specialist manufacturer and distributor of wiring looms and other wiring products. They build to order these products for the customer's specific wiring needs.

Visit www.hcal.co.uk for more information and to discuss your requirements in more detail.
