



What are the advantages of Thin Wall over Standard PVC Cables?

Over the last 2 decades, **Thin Wall Cables** have gradually replaced the old style PVC cables, now often referred to as 'classic cables'. Most vehicle manufacturers specify **Thin Wall** in their designs because vehicle engines are increasingly operating at higher temperatures in order to boost efficiency. Weight and space are also becoming critical to vehicle designers.

'**Thin Wall**' refers to the thinner layer of insulation around the cable strands. This **harder grade insulation** is achieved with less material, however results in superior insulation properties.



Because **Thin Wall** contributes to a significant reduction in diameter and weight, the benefits to the user include...

- ✓ Cost saving: less expensive than the equivalent standard PVC cables
- ✓ Space saving: creates space for all the new gadgets that are expected in modern vehicles
- ✓ Eco friendly: less waste compared to standard PVC

The **higher melting point** of the insulation (up to 105°C)* meets the requirements of modern vehicles and the **harder grade insulation** is denser and more resistant to abrasion, impact damage and moisture.

*Standard PVC is up to 70°C

Thin Wall cables are generally constructed from a larger number of smaller diameter copper strands. This gives increased flexibility and a better resistance to vibration.

SPECIFICATION

- Manufactured in accordance with ISO6722-1:2011 (Class B) 105°C
- Suitable for 12v and 24v systems (Maximum voltage 60v)
- Plain Copper Conductors to BS EN 60228:2005
- Temperature range from -40°C to 105°C with brief excursions up to 120°C