

## Electrical Cable Update

Bulletin	UK	Export	Issued
1253	Yes	Yes	22-5-2013

Vapormatic has replaced VLC2110 (seven core cable, 30 metres) and VLC2111 (seven core cable, 100 metres) from the current range of electrical cable.

These two part numbers have been replaced with VLC2351 and VLC2352. A brief technical description can be seen below.



**VLC2351** Thin wall Seven core cable. 30 metres  
All seven cables are made up of 16 strands of 0.2mm copper wire and rated to 11 amps each.



**VLC2352** PVC Seven core cable. 30 metres  
Six cables are made up of 14 strands of 0.3mm copper wire and rated to 8.75 amps each. One cable is made up of 28 strands of 0.3mm copper wire and rated to 17.5 amps.

### What is thin wall cable?

Thin wall cable was developed for the automotive trade in the mid to late 80's to replace PVC cable previously manufactured in accordance to British Standard 6862 part 1 1971. It was realized that a new type of cable was needed to meet the increasing demand for more electrical components on automotive vehicles.

As a result thin wall cable was developed with the following properties:

-  30% lighter than the equivalent PVC cable
-  High abrasion resistance
-  Wide useable temperature range (-40°C to 105°C)
-  Resistant to diluted acids, Petrol, Diesel and Oil.
-  Good moisture resistance
-  Meets "End of Vehicle Life" European directive

All these properties are obtained by using a high performance insulation compound; however the outer sheath of multi core cables has no electrical properties and are primarily designed to withstand abrasion and temperatures up to 70°C.

Thin wall cable is now extensively used throughout Europe by vehicle builders and is governed by international standard ISO6722.

As a result of this new international standard, British standards withdrew BS6862 in October 2004.