

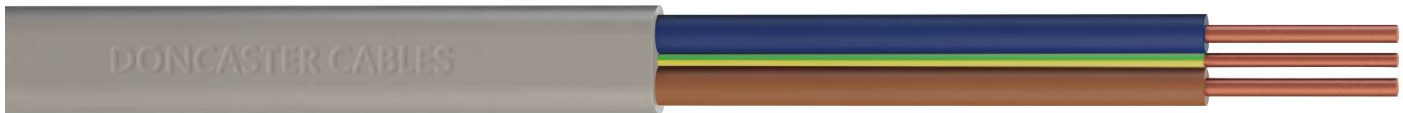


**Doncaster Cables**

The Electricians **Cable of Choice**



PVC Insulated and Sheathed Flat Cable with Pre-identified CPC



Specially developed to make electricians lives easier, Earthsure® has a pre-identified G/Y circuit protective conductor (no more sleeving!)

The importance of third-party accreditation on cables is crucial to installations that would traditionally use 6242Y twin and earth cable, **which is why Earthsure® is BASEC approved.**

After a significant amount of research and development, and the creation of EarthTek® compounds, Earthsure® will fit inside standard cable clips, whilst meeting the same mechanical and electrical requirements of BS6004 (the equivalent 6242Y cable standard).

Manufactured to BASEC Certificate of Assessed Design 052

Plain annealed copper conductor / PVC insulated / PVC sheathed with pre-identified G/Y circuit protective conductor. 300/500V

<b>Conductor:</b>	Plain Annealed Copper Class 1 or 2 to BS EN 60228
<b>Conductor Insulation:</b>	PVC Type T11 to BS EN 50363-3
<b>CPC Insulative covering:</b>	EarthSure® to BASEC CAD 052
<b>Sheath:</b>	EarthTek® to BASEC CAD 052
<b>Current Ratings:</b>	For current ratings refer to table 4D5 of BS7671 IET Wiring Regulations.

Designed for use in light industrial and domestic wiring. These cables are intended for fixed installation in dry or damp premises.

Earthsure® is suitable for use in the same installation methods as 6242Y twin and earth, which includes conduit, cable trunking, cable ducting, cable tray, clipped direct, embedded or in free air. Earthsure® is not intended to be laid underground.

**The British Cable Company You Can Trust**



**Sales Office: Millfield Industrial Estate, Arksey Lane, Bentley, Doncaster, South Yorkshire, DN5 0SJ**  
Tel: 01302 821700 Email: sales@doncastercables.com



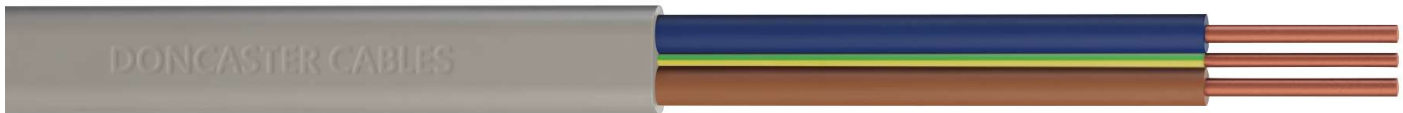


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## Comments

Our research and development remit was to manufacture a flat cable with a pre-identified CPC, whilst still maintaining dimensions that are compatible with traditional accessories has been a challenging research and development project.

During the research and development project, every care has been taken to ensure that Earthsure® is compatible with standard accessories such as cable clips, switches and sockets.

However, through the development of 2 new compounds (EarthSure® and EarthTek®) we are proud to launch this cable.

The cable has reduced sheath thicknesses, however the compound technology developed allows us to surpass the requirements of BS6004, which is the relevant British Standard for 6242Y twin and earth.

With third party accreditation being a crucial part of traditional twin and earth installations, we have also worked with the British Approvals Service for Cables (BASEC) to ensure that Earthsure® is BASEC approved.

This BASEC approval means that as well as our internal testing, BASEC have, and continue, to test Earthsure® to the rigorous specifications that have been developed.

The result, a flat cable with a pre-identified circuit protective conductor, that is manufactured in accordance with a new BASEC Certificate of Assessed design (CAD) that been extensively tested and meets or exceeds the functional and safety requirements of equivalent BS, EN or IEC standard as referenced in BS7671.

**Doncaster Cables - Earthsure®**

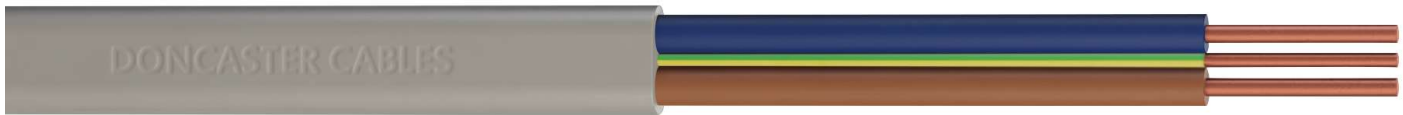




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**Dimensional Details:**

Product Code	Number and Nominal Cross Sectional Area of Conductors and CPC	Nominal Stranding of Conductor	Nominal Stranding of CPC	Approximate Dimensions	Approximate Weight
EARTHSURE2C1.0	2x1.0mm <sup>2</sup> + 1x1.0mm <sup>2</sup>	1 / 1.13mm	1 / 1.13mm	4.1mm x 8.0mm	65 kg/km
EARTHSURE2C1.5	2x1.5mm <sup>2</sup> + 1x1.0mm <sup>2</sup>	1 / 1.38mm	1 / 1.13mm	4.5mm x 8.8mm	80 kg/km
EARTHSURE2C2.5	2x2.5mm <sup>2</sup> + 1x1.5mm <sup>2</sup>	1 / 1.78mm	1 / 1.38mm	5.4mm x 10.5mm	115 kg/km
EARTHSURE2C4.0	2x4.0mm <sup>2</sup> + 1x1.5mm <sup>2</sup>	7 / 0.85mm	1 / 1.38mm	6.0mm x 12.4mm	174 kg/km
EARTHSURE2C6.0	2x6.0mm <sup>2</sup> + 1x2.5mm <sup>2</sup>	7 / 1.04mm	1 / 1.78mm	6.9mm x 13.5mm	225 kg/km
EARTHSURE2C710	2x10mm <sup>2</sup> + 1x4.0mm <sup>2</sup>	7 / 1.35mm	7 / 0.85mm	8.6mm x 17.8mm	375 kg/km
EARTHSURE2C716	2x16mm <sup>2</sup> + 1x6.0mm <sup>2</sup>	7 / 1.70mm	7 / 1.04mm	9.6mm x 20.1mm	575 kg/km
EARTHSURE3C1.0	3x1.0mm <sup>2</sup> + 1x1.0mm <sup>2</sup>	1 / 1.13mm	1 / 1.13mm	4.1mm x 10.4mm	88 kg/km
EARTHSURE3C1.5	3x1.5mm <sup>2</sup> + 1x1.0mm <sup>2</sup>	1 / 1.38mm	1 / 1.13mm	4.5mm x 11.5mm	118 kg/km

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Innovating to make Electricians lives easier.

**Earthsure**

We strive to make Electricians lives easier.

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Making manufacturing decisions for electricians.

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