



## **CABLE CLEATS -**

**Vishwakarma Enterprises (Electrotek) has partnered with ELLIS PATENTS LTD UK, a global leader & one of the world's leading manufacturers in different [cable cleat](#) (click here to know more) solutions.**

ELLIS cable cleats are designed to ensure the retention and support of cables and conductors, reducing the load that the cable may be exposed to under its own weight.

By ensuring the cables are fixed, retained and supported correctly this protects all of the cable terminations by reducing the mechanical load exerted on them. ELLIS cable cleats are designed and tested so that in the event of short circuit fault conditions, they will contain the cables without causing damage; enabling the circuit to be restored once the fault has been rectified.

Learn more about Ellis Patents on our Why Ellis? page – <https://www.ellispatents.co.uk/about-us/>

### **WHAT ARE CABLE CLEATS?**

“A cable cleat is a device designed to secure electrical cables when installed at intervals along the length of the cables” – IEC 61914 Cable Cleats for Electrical Installations.

“Cable cleats should:

Prevent excessive cable movement due to fault-current magnetic forces

Be rated for specific cable size and available current.”

The fifth edition of API Recommended Practice 14F (Design, Installation and Maintenance of Electrical Systems for Fixed and Floating Offshore Petroleum Facilities).

“Single core electric cables are to be firmly fixed, using supports of strength adequate to withstand forces corresponding to the values of the peak prospective short-circuit current.” – Lloyds Register. Rules and Regulations for the Classification of Ships, Part 6, Control, Electrical, Refrigeration and Fire.

“Cables are to be installed and supported in ways to avoid chafing and undue stress in the cable.” – ABS Steel Vessel Rules 4-8-4/21.9 Cable Support, 4-8-4/21.9.1 General and 4-8-4/21.9.3 Clips, Saddles, Straps

“In order to guard against the effects of electro dynamic forces developing on the occurrence of a short-circuit or earth fault, single core cables shall be firmly fixed, using supports of strength adequate to withstand the dynamic forces corresponding to the prospective fault current at that point of the installation.” DNV Rules for Ships / High Speed Light Craft and Naval Surface Craft, Pt. 4 Ch. 8 Sec.10 – page 68, C50

ALWAYS REMEMBER: Any power cable system designer or installer has an obligation to consider the method of securing cables in order to restrain their movement whether caused by an electrical fault or any other reason – a job that can only be safely and securely done with correctly specified cable cleats.

Learn more about our cable cleats on our downloads page – <https://www.ellispatents.co.uk/downloads/> and Learn more about Ellis Patents and our bespoke cable cleats on our bespoke solutions page – <https://www.ellispatents.co.uk/bespoke-products/>.

If you want a bit more information about Ellis Patents our cable cleats and our capabilities, please get in touch –

<https://www.vishwakarmaelectrotek.in>

Please see link here <https://www.ellispatents.co.uk/distributors/> you will see Vishwakarma Enterprises authorized channel partners for India & Indian subcontinent countries.

If you can't find exactly what you're looking for on our website, please do get in touch with us for anything from Ellis Patents news, through to even the most difficult cable cleats questions.

## **INDIA**

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### **PRODUCTS**

#### **Product Type**

- [Accessories](#)
- [Bespoke Products](#)
- [Cable Conduit Clips](#)
- [Fire Rated Cable Applications](#)
- [Framing Channel Accessories](#)
- [HV Cable Applications](#)
- [Multiple Cable Applications](#)
- [Single Cable Applications](#)
- [Trefoil Cable Applications](#)
- [Twist Foot Fixing](#)

#### **Product Material**

- [Aluminium](#)
- [Galvanised Mild Steel](#)
- [Polymer Flame Retardent](#)
- [Polymer LSF](#)
- [Polymer LUL](#)
- [Polymer Non LSF](#)
- [Stainless Steel](#)

The Ellis cable cleat calculator can be found at [www.ellispatents.co.uk/cleat-calculator](http://www.ellispatents.co.uk/cleat-calculator).

