



FIBRE CRAFT INDUSTRIES

FIBERGLASS DISCONNECTING STICKS

FIBRE CRAFT INDUSTRIES (FCI) established its business activity in 1985 and by sheer dint of hard work,

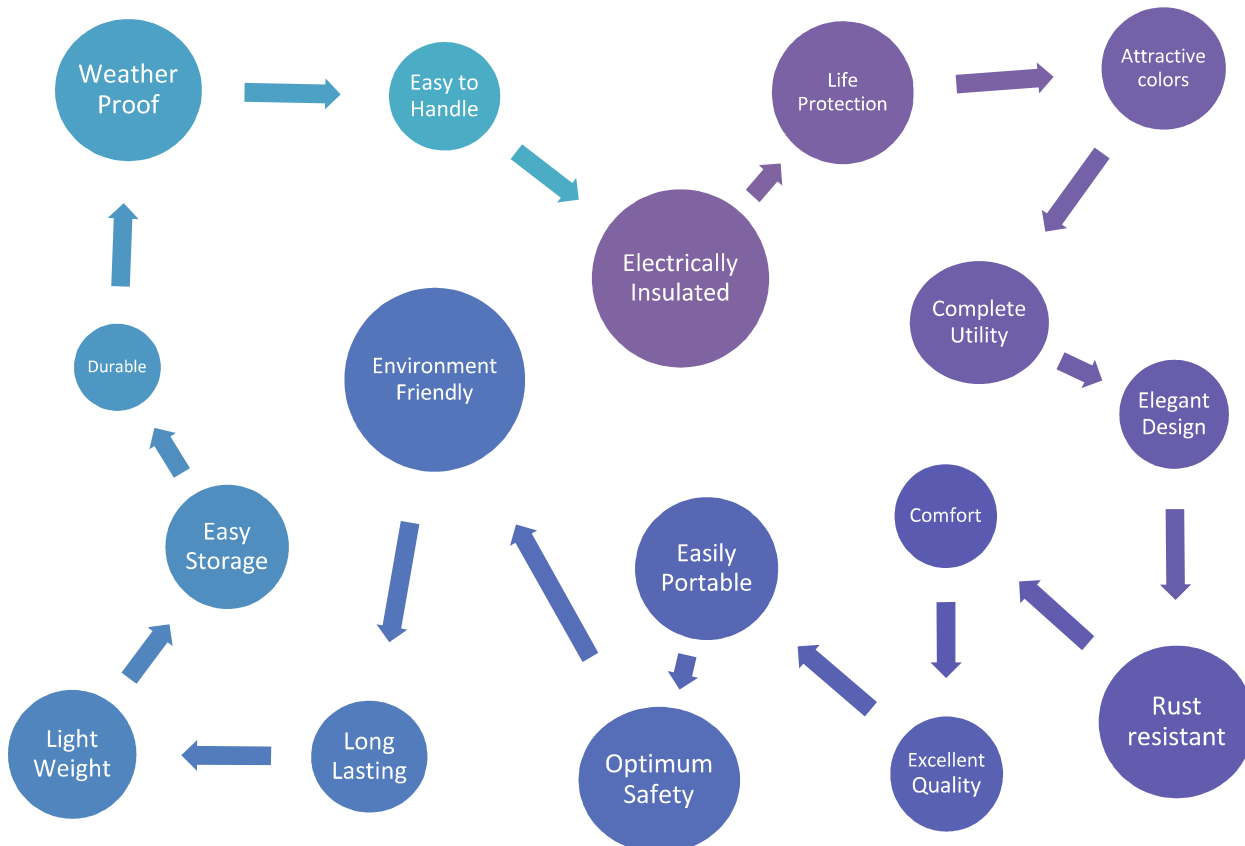


quality production and customer focus has now been acknowledged as the Leading company dealing in Fiber Composite products. Today the company is one of the largest manufacturers and suppliers of FRP products & enjoying the favorite vendor position in many world renowned companies and high profile Engineers & Contractors. **FCI** introduced fiberglass disconnecting sticks in the country in 1990 and these are first choice of field staff till today.

We are the only approved suppliers from WAPDA and have been proved to be pioneer in the safety items. Later in 1994 **FCI** brought home the first ever Pultrusion plant of Pakistan and offered Fiberglass Ladders to **WAPDA** and along with industrial &

power generation customers. Our safety items including Fiberglass Ladders, Disconnecting sticks, Grounding Sets, tree trimmers and many other customized items, have proved to be the best and leading new ways and possibilities in the protection and safety items.

We manufacture a range of **Fiberglass** made safety items providing numerous advantages over conventional material; like lighter in weight, weather resistant (i.e. no corrosion as it is observed with steel), shock proof due to its' inherent characteristics of no moisture absorption & electrically insulated. You could have a look on the properties of FCI pultruded fiberglass specialized resin tubes at a glance in the under given table;





For different categories of electrical safety devices we are using specialized raw materials keeping in view the end use voltage and applicable safety standards/ test criteria.

Disconnecting Sticks are manufactured as per International standard IEC 60855 and NTDC specifications DDS-43:2008, and incorporating latest amendments, as well.

Sr#	Property	Value
01	Length of tube	3.700m (± 0.05m)
02	Outer Diameter	32mm (±1mm)
03	Thickness of tube	2.5mm

Note: for fullest details consult the relevant IEC & the applicable NTDC specification.

The tube of disconnecting stick is fabricated from fiberglass material and the interior of tube is filled using thermosetting closed cell foam bonded with inner wall of tube. The surface of the tube is made smooth to avoid any entrapment of external matter/impurity. The color of the tube can be customized but our regular production involves yellow and red color. The hook is made from cast bronze and base cap is molded plastic, as per specs.

The Disconnecting sticks are made to conform high voltage and mechanical testing and give the best results and service life. The tests applicable in addition to visual inspection and dimensional measurement to comply the international standards are as follows;

- Tension test
- Dye Penetration test
- Bending deflection test
- Horizontal crush test
- Proof voltage test
- Proof current test
- Breakdown voltage test



Our fabricated Disconnecting sticks are capable to withstand voltage up to 250 kV and up to 400 times aging. In addition to regular production of disconnecting sticks, we also going to introduce telescopic disconnecting sticks to save the storage space and give even easier move.

Presently Filament winding machine, contact molding, compression molding, filament winding hot & cold press molding in the form of wet press, SMC & DMS molding and world's latest process for producing structural members. We manufacture wide range of safety items using the most advanced Pultrusion Plant operating under the same Roof. This is fully computerized and its parameters are regulated by a very sophisticated High speed computer.

At **FIBRE CRAFT INDUSTRIES**, we always facilitate our customers to meet their specific requirements. Our in-house design, Development and testing facility associates with the end user to design, develop or propose their specific requirements and fulfill the needs.



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