

Aluminium Trefoil Cleat (ATFCSP-Range) BICC Ares



Aluminium Cable Cleat:

In all cable installations, an essential factor is to ensure that all cables are secured with the correct cleats for the cable, application, and environment. The ATFCSP series of cleats support and secure all cables in a trefoil formation throughout the system during normal operation and during fault conditions that may occur. System integrity is maintained, and cable damage can be prevented.

The ATFCSP range of cleats comply with latest requirements to EN 61914:2016 & IEC 61914:2015 standards. The cleats are manufactured from LM6 grade die cast aluminium with excellent durability characteristics, resistant to corrosion and adverse weather conditions. The cleats are designed to hold and retain all types of cables in a trefoil formation.

The ATFCSP range cable cleats are marked "BICC Components" along with the cable diameter range (XX-XX) accommodation covering diameters from 15mm to 155mm.

The short circuit ratings mentioned below are based on single core cable formation as per EN 61914:2016 & IEC 61914:2015 standards. Short circuit report for multicore cables is available upon request.

Test Standard EN 61914:2016 & IEC 61914:2015					
Description:	Clause:	Classification:	Description:	Clause:	Classification:
Type	6.1.1	Metallic	Resistance to Short Circuit	6.4.4 – 1 short circuit	25kA RMS / 62.5kA Peak
Operating Temperature	6.2	-40°C to +110°C		6.4.5 – 2 short circuits	25kA RMS / 62.5kA Peak
Impact Resistance	6.3.5	Very Heavy	Ultraviolet Light	6.5.1	Not Applicable
Lateral Retention	6.4.2	8 kN	Corrosion Resistant	6.5.2.2	High
Axial Retention	6.4.3	0.2 kN	Needle Flame	10.1	>120 secs
Cleat Spacing			Cleat type, spacing and suitability for horizontal or vertical installation is dependent on system fault level and cable diameter and weight. Therefore, these parameters must be adequately assessed by the end-user prior to order or installation of the cleats.		

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Features:

- Low, Medium & High Voltage Single Core Cables in a Trefoil Formation.
- Cable Diameter Range from 15mm to 155mm.
- **Material:** LM6 Grade Die Cast Aluminium.
- Suitable for Use With all Standard Ladder and Tray Systems.
- Operating Temperatures -40°C to +110°C

Selection Table:							
Item Code	Cable Diameters (mm)		Cleat Dimensions (mm)				Hole Fixings
	Min.	Max.	A	B	C	D	
ATFCSP 15-30	15	30	30.0	44.0	83.5	107.0	2xM10
ATFCSP 30-45	30	45	30.5	68.5	120.5	149.0	2xM10
ATFCSP 45-60	45	60	39.5	87.0	153.0	180.5	2xM10
ATFCSP 60-75	60	75	40.5	114.0	195.0	223.0	2xM10
ATFCSP 75-90	75	90	45.0	143.5	255.0	286.0	2xM10
ATFCSP 90-107	90	107	50.0	168.0	282.5	314.5	2xM10
ATFCSP 107-129	107	129	58.0	222.0	365.5	393.5	2xM10
ATFCSP 129-155	129	155	TBA	TBA	TBA	TBA	2xM10

Disclaimer: The dimension provided are for guidance and given in good faith, however BICC Components reserve the right to change these without prior notification.

