Aluminium Trefoil Cleat (ATFC-Range) BICC Apollo

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 ATFC 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 ATFC 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 ATFC range cable cleats are marked “BICC Components” along with the cable diameter range (XX-XX) accommodation covering diameters from 15mm to 76mm.

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.		

Aluminium Trefoil Cleat (ATFC-Range) BICC Apollo

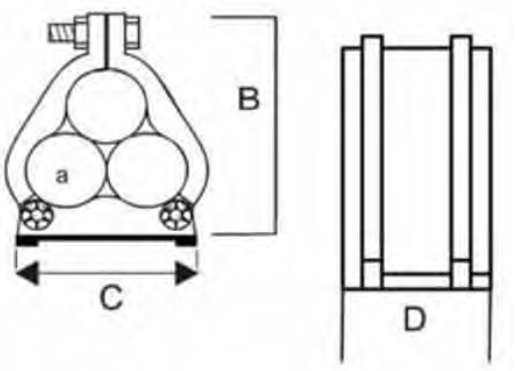
Features:

- Low, Medium & High Voltage Single Core Cables in a Trefoil Formation.
- Cable Diameter Range from 15mm to 76mm.
- **Material:** LM6 Grade Die Cast Aluminium.
- Suitable for Use With all Standard Ladder and Tray Systems.
- Operating Temperatures -40°C to +110°C

Item Code	Cable Diameters (mm)		Cleat Dimensions (mm)			Single Hole Fixing
	Min. 'a'	Max. 'a'	B	C	D	
ATFC 15-18	15	18	64.0	61.0	38.0	M8
ATFC 18-20	18	20	77.0	73.0	38.0	M8
ATFC 20-23	20	23	85.0	81.0	38.0	M8
ATFC 23-25	23	25	95.0	93.0	38.0	M8
ATFC 25-27	25	27	90.0	75.0	38.0	M8
ATFC 28-30	28	30	99.0	84.0	42.5	M8
ATFC 30-32	30	32	104.5	90.0	38.0	M8
ATFC 32-34	32	34	104.0	96.0	37.5	M8
ATFC 34-35	34	35	109.0	101.5	39.5	M8
ATFC 35-36	35	36	114.5	105.0	40.5	M8
ATFC 36-38	36	38	116.0	108.0	42.0	M8
ATFC 38-40	38	40	126.0	116.0	45.0	M8
ATFC 40-41	40	41	131.0	120.0	46.5	M10
ATFC 41-43	41	43	127.0	109.5	38.0	M10

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

Single Fixing



Aluminium Trefoil Cleat (ATFC-Range) BICC Apollo

Item Code	Cable Diameters (mm)		Cleat Dimensions (mm)			Single Hole Fixing
	Min. 'a'	Max. 'a'	B	C	D	
ATFC 43-44	43	44	139.5	129.0	50.0	M10
ATFC 44-46	44	46	144.0	132.0	51.5	M10
ATFC 46-48	46	48	149.0	138.0	54.0	M10
ATFC 48-49	48	49	134.0	121.0	38.0	M10
ATFC 49-51	49	51	159.0	147.0	57.0	M10
ATFC 51-53	51	53	160.0	152.0	44.0	M10
ATFC 53-54	53	54	164.0	158.0	44.0	M10
ATFC 54-56	54	56	167.0	159.5	44.0	M10
ATFC 56-57	56	57	169.0	164.0	44.0	M10
ATFC 57-59	57	59	175.0	169.0	44.0	M10
ATFC 59-60	59	60	178.5	178.0	44.0	M10
ATFC 60-62	60	62	183.0	179.0	44.0	M10
ATFC 62-63.5	62	63.5	189.0	185.0	44.0	M10
ATFC 63.5-65	63.5	65	194.0	189.0	44.0	M10
ATFC 65-66.5	65	66.5	198.0	194.0	44.0	M10
ATFC 66.5-68	66.5	68	202.0	198.0	44.0	M10
ATFC 68-70	68	70	180.0	169.5	44.0	M10
ATFC 70-71.5	70	71.5	212.0	208.0	44.0	M10
ATFC 71.5-73	71.5	73	216.0	212.0	44.0	M10
ATFC 73-74.5	73	74.5	220.0	216.0	44.0	M10
ATFC 74.5-76	74.5	76	224.0	220.0	44.0	M10

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

Single Fixing