EUTEX INTERNATIONAL

FALCON NYLON CABLE CLEAT

FALCON (2BC PLASTIC)

The falcon two bolt single cable cleat is a non-metallic cable cleat which has been designed, constructed, and tested in accordance with the international standard 'cable cleats for electrical installations' (iec 61914).
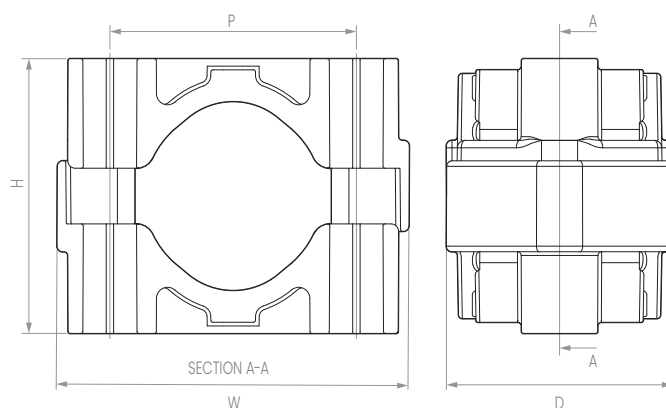
It ensures the retention and securing of single cables, without damaging or deforming the cable. The cable cleat is manufactured from various materials making it suitable for both indoor and outdoor applications. Due to its unique twin arc internal patent pending design profile it exhibits excellent retention, limiting both the axial and lateral movement. The Falcon Two Bolt cable cleats have an excellent range take and are suitable for cable diameters of 38mm up to 135mm in only eight sizes. This cable cleat has two m12 clearance holes for securing it to a mounting surface, which allows for either m10 or m12 fasteners to be used.

FEATURES

- Third party certification to IEC 61914
- Available in three different materials:
  - Nylon
  - Low Smoke and Fume Zero Halogen (LSF0H), Phosphorus-free, V0 Nylon
  - LUL approved polymer
- Sunlight (UV) & weather resistant
- Operating temperature -40ºC to +60ºC
- Can be double stacked
- 38 - 135mm in 8 sizes
- Excellent axial and lateral load retention
- Two bolt fixing design

TECHNICAL DATA & CLASSIFICATION	
TYPE	Type 6.1.2. Non Metallic 2BC - Two Bolt Cable Cleat
DESIGN SPECIFICATION	IEC 61914
TEMPERATURE FOR PERMANENT APPLICATION	-40ºC to +60ºC IEC 61914 clause / part 6.2
NEEDLE FLAME TEST	Pass - 120 second flame application time IEC 61914 clause 10.0, 10.1, IEC 60695-11-5
LATERAL LOAD TEST	16kN - 26kN, IEC 61914 clause 9.3
AXIAL LOAD TEST	2.75kN - 5kN, IEC 61914 clause 9.4
IMPACT RESISTANCE	Pass - Very Heavy IEC 61914 clause 6.3, 6.3.5, 9.2
UV RESISTANCE	Pass - IEC 61914 clause 6.5.1.2, 11.1
MATERIAL	Standard Nylon, UL94 V0 Nylon or LUL Approved Polymer Note: V0 Nylon & LUL Polymer are Low Smoke & Fume (LSF), Zero Halogen (LS0H) and Phosphorus Free
MATERIAL COLOUR	Black

SHORT CIRCUIT TESTING TO IEC 61914 - CLAUSE 9.5		
MULTICORE FORMATION	PARALLEL FORMATION	
Two short circuits 600mm fixed cleat centres	One short circuit 600mm fixed cleat centres 105mm cable centres	Two short circuits 600 mm fixed cleat centres 105mm cable centres
0.1 sec	0.1 sec	0.1 sec
76kA Peak	110kA Peak	86kA Peak
36.2kA r.m.s	50.0kA r.m.s	40.9kA r.m.s

CABLE CLEAT SELECTION TABLE							
FALCON PART NO.	CABLE Ø RANGE TAKE (MM)	DIMENSIONS MM					WEIGHT (g) *(LUL +5%
		W	H	D	P	FIXING HOLE Ø	
2BC038048	38 - 48	96	74	61	65 - 69	2 x M10 / M12	124
2BC048058	48 - 58	107	84	61	76 - 80	2 x M10 / M12	146
2BC058070	58 - 70	119	97	61	88 - 92	2 x M10 / M12	176
2BC070083	70 - 83	133	110	61	102 - 106	2 x M10 / M12	211
2BC083097	83 - 97	147	124	61	116 - 120	2 x M10 / M12	242
2BC096109	96 - 109	160	136	61	129 - 133	2 x M10 / M12	276
2BC106120	106 - 120	172	148	61	141 - 145	2 x M10 / M12	310
2BC120135	120 - 135	187	163	61	156 - 160	2 x M10 / M12	349

Order reference examples: for standard nylon 2bc038048, for LSF suffix Z (2BC038048Z), for LUL approved polymer suffix LUL (2BC038048LUL). * lul products are 5% heavier than the weights shown in table. Fasteners required to secure the cable cleat to the support structure are not included with the ordering references shown in the selection table but can be supplied on request - see cleat fixing pack page 64-65. For lateral and axial load ratings or short circuit ratings of LUL polymer products, please contact EUTEX.