

SABRE (1BC PLASTIC)

The Sabre One 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 cable movement. The Sabre One Bolt cable cleat is available in ten sizes suitable for cable diameters of 10mm up to 57mm. This cable cleat has an M10 clearance hole for securing it to a mounting surface.

FEATURES

- Third party certification to IEC 61914
- Available in three different materials:
 - Nylon
 - Low Smoke & Fume (LSF), Zero Halogen (LSOH), Phosphorus
 - Free and VO Nylon
 - LUL approved polymer
- Sunlight (UV) & weather resistant
- Operating temperature -40°C to +60°C
- 10 - 57mm in 10 sizes
- Excellent axial & lateral load retention
- Single bolt fixing design

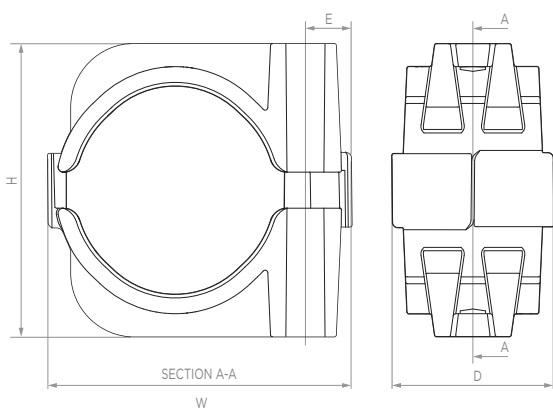


TECHNICAL DATA & CLASSIFICATION

TYPE	Type 6.1.2. Non Metallic 1BC - One Bolt Cable Cleat
DESIGN SPECIFICATION	IEC 61914
TEMPERATURE FOR PERMANENT APPLICATION	-40°C to +60°C 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	1kN - 1.25kN IEC 61914 clause 9.3
AXIAL LOAD TEST	0.5kN-1kN IEC61914 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 VO Nylon or LUL Approved Polymer Note: VO Nylon & LUL Polymer are Low Smoke & Fume (LSF), Zero Halogen (LSOH) and Phosphorus Free
MATERIAL COLOUR	Black

SHORT CIRCUIT TESTING TO IEC 61914 - CLAUSE 9.5

MULTICORE FORMATION		PARALLEL FORMATION
One short circuit 600mm fixed cleat centres	Two short circuits 600mm fixed cleat centres	One short circuit 600mm fixed cleat centres 105mm cable centres
0.1 sec	0.1 sec	0.1 sec
113kA Peak	99kA Peak	68kA Peak
51.3kA r.m.s	47.1kA r.m.s	32.3kA r.m.s



CABLE CLEAT SELECTION TABLE

SABRE PART NO.	CABLE Ø RANGE TAKE (MM)	DIMENSIONS MM					FIXING HOLE Ø	WEIGHT (g) *(LUL +5%)
		W	H	D	E			
1BC1013	10 - 13	41	34	46	13	1 x M10	23	
1BC1316	13 - 16	44	37	46	13	1 x M10	26	
1BC1619	16 - 19	47	40	46	13	1 x M10	30	
1BC1923	19 - 23	51	44	46	13	1 x M10	34	
1BC2327	23 - 27	54	48	46	13	1 x M10	38	
1BC2732	27 - 32	61	56	46	13	1 x M10	47	
1BC3238	32 - 38	67	62	46	13	1 x M10	53	
1BC3846	38 - 46	75	73	46	13	1 x M10	68	
1BC4651	46 - 51	81	77	46	13	1 x M10	79	
1BC5157	51 - 57	86	83	46	13	1 x M10	88	

Order reference examples: for standard nylon 1BC1013, for LSF suffix Z (1BC1013Z), for LUL approved polymer suffix LUL (1BC1013LUL). * 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 CMP.