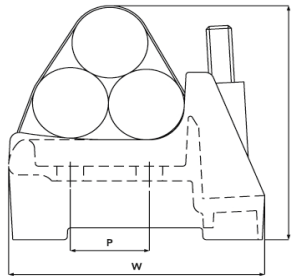
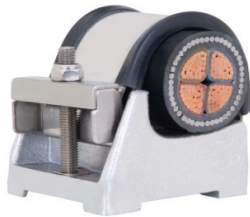


Vari-cleat Data Sheet

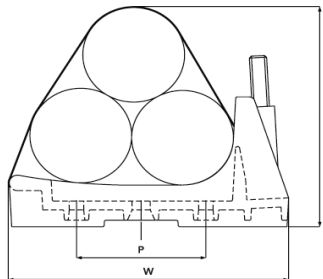
The Vari-Cleat cable cleats are available for trefoil, single and bundled cable applications where moderate levels of short circuit withstand are required. The unique patented compact design allows the separate over-strap to be installed after the cables have been positioned. **UK Patent GB 226 1014**

The cleat consists of a cast aluminium base with an A4 (316L) stainless steel over-strap and bracket, and M8 A4 fasteners incorporating a flange nut. Vari-Cleats can be tailor made to your individual requirements by specifying the following variants and fixing positions (see tables below): Polyester or Kelvar coated bases, and a silicone LSF Liner.

Recommended fixing methods include using either 8mm, 10mm or 12mm bolts, available as extras. A Retention Strap can be fitted between wider spaced cleats for more economical installation.



Base Sizes AN,BN & CN



Base Sizes DN, EN, FN, & HN



Special Options: Cleats for multi-cable bundles available on request

Selection Table for Single & Trefoil Applications

Part No.	Cable Range no liner		Cable Range with liner		Dimensions mm				Fixing Holes	Weight g
	Trefoil Dia.mm	Single Dia.mm	Trefoil Dia.mm	Single Dia.mm	W	H	D	P		
VC-AN1-	21-24	36-43	19-22	31-38	82	80	74	25	2xM8	373
VC-AN2-	22-26	41-48	21-24	36-43	82	84	74	25	2xM8	373
VC-AN3-	24-28	44-51	23-26	39-46	83	88	74	25	2xM8	373
VC-AN4-	26-30	49-54	25-29	44-51	86	92	74	25	2xM8	373
VC-BN1-	29-33	51-59	27-31	46-54	97	94	74	25	2xM8	430
VC-BN2-	30-35	55-63	29-33	50-58	97	97	74	25	2xM8	430
VC-BN3-	32-37	60-68	30-36	55-63	100	101	74	25	2xM8	430
VC-BN4-	34-38	64-70	33-38	59-68	104	105	74	25	2xM8	430
VC-CN1-	37-42	68-76	35-40	63-71	117	105	76	25	2xM8	490
VC-CN2-	39-44	72-81	37-42	67-76	117	109	76	25	2xM8	490
VC-CN3-	42-47	76-85	39-45	71-80	118	115	76	25	2xM8	490
VC-CN4-	44-48	81-87	42-47	76-86	124	121	76	50	2xM8	490
VC-DN1	47-53	86-96	47-51	81-91	138	126	78	50	2xM8+1xM10	610
VC-DN2-	50-56	91-100	49-54	86-95	141	132	78	50	2xM8+1xM10	610
VC-DN3-	54-59	96-105	52-57	91-100	147	138	78	50	2xM8+1xM10	610
VC-DN4-	56-60	101-106	55-60	96-106	153	144	78	75	2xM8+1xM10	610
VC-EN1-	59-63.5	105-112	58-62	100-107	163	147	80	75	2xM8+1xM10	730
VC-EN2-	62-67	111-118	61-66	106-113	167	154	80	75	2xM8+1xM10	730
VC-EN3-	65-70	118-125	64-69	113-120	174	160	80	75	2xM8+1xM10	730
VC-EN4-	68-74	125-132	67-73	120-127	181	167	80	75	2xM8+1xM10	730
VC-FN1-	71-76	125-140	69-74	120-135	187	170	82	90	3xM12	880
VC-FN2-	74-80	132-145	72-78	128-140	194	177	82	90	3xM12	880
VC-FN3-	78-84	139-152	76-82	134-147	201	185	82	90	3xM12	880
VC-FN4-	82-88	148-160	80-86	143-155	210	193	82	90	3xM12	880
VC-GN1-	84-91	145-160	82-89	140-155	217	197	82	114	3xM12	970
VC-GN2-	88-95	155-170	86-93	150-165	225	205	82	114	3xM12	970
VC-GN3-	92-99	165-180	90-97	160-175	233	213	82	114	3xM12	970
VC-GN4-	96-103	175-190	94-101	170-185	240	221	82	114	3xM12	970
VC-HN1-	98-106	170-190	96-104	165-185	247	229	84	136	3xM12	1170
VC-HN2-	102-110	180-200	100-108	175-195	255	237	84	136	3xM12	1170
VC-HN3-	106-114	190-205	104-112	185-200	263	245	84	136	3xM12	1170
VC-HN4-	110-118	200-215	108-116	195-210	271	252	84	136	3xM12	1170
Suffix 1			Suffix 2			Suffix 3				
A No Liner B Lined C Heavy Duty No Liner D Heavy Duty Lined			N Natural P Polyester-Black K Kelvar C Kelvar & Flange nut			0 Standard Holes				

Testing Information

Vari-Cleats have been tested in line with the International Standard of 'Cable Cleats for Electrical Installations' IEC 61914:2009. Typical results are detailed below:

Properties	IEC 61914:2009 Classification Clause	Units / Classification	Vari-Cleat
Cleat Type	6.1, 6.1.3	Composite	-
Impact Resistance	6.3, 6.3.5, 9.2	Very Heavy Classification (5.0kg @ 400mm)	Pass
Resistance to Electro Mechanical Force. (Undertaken at Damstra Laboratories NL)	6.4, 6.4.3, 9.5	kA @ 600mm Centres Standard Cleat (Withstanding one short circuit)	101 (Peak) 47.8 (RMS) (Report No. PDL-09.038.1.1)
Temperature for Permanent Application	6.2	°C	-40 to 60°C
Needle Flame Test	10.0, 10.1	Application Time (seconds)	120
Lateral Load Test	9.3	Newtons (N)	11200
Axial Movement Test	9.4	Newtons (N)	380