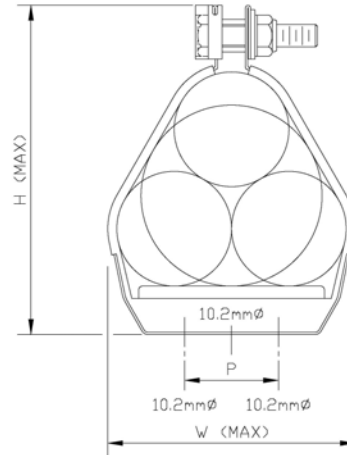


## Data Sheet: Ellis Patents VULCAN Cable Cleat with LSF Liner

Vulcan cable cleats are recommended for installations where moderate levels of short circuit withstand are required. Vulcan 'VRT' cable cleats are designed for single, trefoil and triplex (using optional 'SFT' cable surround) cable installations. Vulcan 'VRQ' cable cleats are designed for quad cable applications. Vulcan cable cleats are independently certified to BS EN 50368:2003. To protect and cushion cables, each Vulcan cable cleat incorporates an integral low smoke and fume, zero halogen liner in its unique patented design. Recommended fixing methods include one bolt, two bolts, weld stud or framing strut mounting.



Part No	Single Cable Range (mm)		Trefoil/ Quad Cable Range (mm)		Dimensions (mm)			Mtg Holes	Weight (kg)
	Min Dia	Max Dia	Min Dia	Max Dia	H	W	P		
VRT+00	33	42	19	24	93	60	N/A	1	0.251
VRT+01	38	50	23	28	98	63	N/A	1	0.258
VRT+02	43	58	27	32	106	72	N/A	1	0.269
VRT+03	49	64	30	35	112	79	N/A	1	0.279
VRT+04	55	70	33	38	118	85	N/A	1	0.284
VRT+05	58	75	36	42	125	96	N/A	1	0.319
VRT+06	63	84	40	46	133	105	N/A	1	0.331
VRT+07	73	90	44	50	140	112	N/A	1	0.391
VRT+08	83	100	48	55	149	121	N/A	1	0.405
VRT+09	86	104	51	58	154	126	N/A	1	0.411
VRT+10	88	110	55	62	162	134	50	3	0.442
VRT+11	90	115	59	66	170	143	50	3	0.453
VRT+12	100	125	63	70	177	152	50	3	0.460
VRT+13	107	132	67	74	185	161	75	3	0.524
VRT+14	120	145	71	78	192	169	75	3	0.536
VRT+15	125	150	74	82	199	176	75	3	0.542
VRT+16	132	153	77	85	205	183	75	3	0.544
VRT+17	136	156	81	89	216	190	75	3	0.618
VRT+18	139	159	85	93	225	200	75	3	0.628
VRT+19	142	162	89	97	235	200	75	3	0.637
VRT+20	150	170	93	101	240	215	75	3	0.646
VRQ+01	---	---	23	25	110	68	N/A	1	0.284
VRQ+02	---	---	26	27	113	70	N/A	1	0.286
VRQ+03	---	---	28	32	128	80	N/A	1	0.318
VRQ+04	---	---	33	42	148	103	N/A	1	0.378
VRQ+05	---	---	43	47	165	120	N/A	1	0.452
VRQ+06	---	---	48	50	170	121	N/A	1	0.467
VRQ+07	---	---	51	57	190	140	50	3	0.486
VRQ+08	---	---	58	63	200	150	50	3	0.499
VRQ+09	---	---	64	70	218	170	75	3	0.581

### BS EN 50368:2003 (Cable Cleats for Electric Installations) Classification

Cleat Type	Composite
Operating Temperature Range	-40°C to +60°C
Resistance to Electromechanical Force (See kVA Strategies for Additional Details)	Category-1: 135kA <sub>PEAK</sub> / 62.2kA <sub>RMS</sub> Category-2: See kVA Strategies
Lateral Load Test	3000N (Trefoil); 5830N (Single)
Axial Load Test	1000N (Trefoil); 280N (Single)
Impact Resistance	Very Heavy (>6.7kg @ 300mm)
Needle Flame Test	>120 seconds

### TECHNICAL SPECIFICATIONS

Frame	50mm wide x 1mm thick Marine Grade, Non-magnetic 316L Stainless Steel
Closure Hardware	316 Stainless Steel M10 Bolt Serrated Hex Flange Lock Nut
Integral Liner	Low Smoke, Low Fume Zero Halogen Polymer
Tools Required	11/16" or 17mm Wrench
Mounting Bolts	One or Two 3/8" Dia Bolts (not included)