

HURON (LDAL)

The Huron cable cleats are metallic cable cleats which have been designed, constructed, and tested in accordance with the International Standard 'cable cleats for Electrical Installations' IEC 61914 to ensure the securing and retention of cables, without sustaining damage to the cable(s).

The range is fabricated from 5000 series aluminium and is available in 23 sizes to suit cable diameters 19mm to 128mm.

The cleat has three M10 fixing clearance holes within one base, allowing versatility to the installer during installation to use either one M10 bolt or two M10 bolts, and is designed to enable the product to be secured to a variety of mounting surfaces. The Huron cable cleats hinge opens fully allowing the cables to be easily placed within the cable cleat to aid the installer before closing and securing via the mouth piece bolt.

Liners come as standard which help to restrain the cable(s) within vertical applications. Where thermal elongation of cables occurs, the liner also provides a layer of protection between the cable sheath and the cable cleat during normal operation. This additional layer protects the cable from chafing on any mounting surface due to differential movements such as those found in marine and offshore applications. The liners also assist in the extra protection of cable(s) in the event of short circuit fault conditions. The standard liners supplied are classified as Low Smoke & Fume (LSF), Zero Halogen (LSOH) and Phosphorus Free.



FEATURES

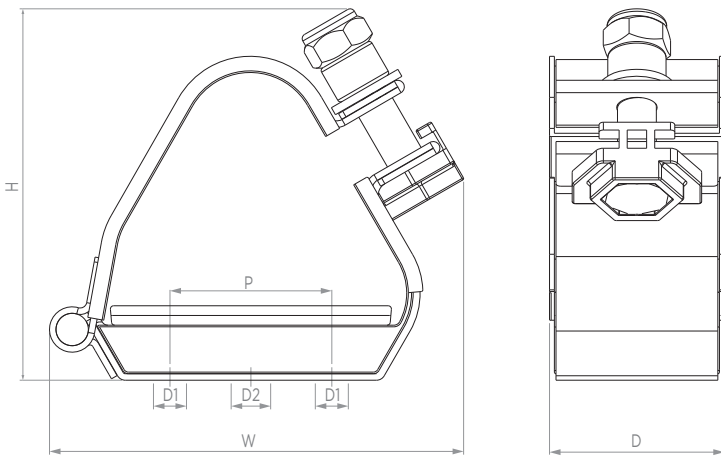
- Third party certification to IEC 61914
- 5000 series aluminium
- 19 - 128mm in 23 sizes for trefoil formation/application
- Short circuit rating of 84kA peak fault
- Operating temperature -50°C to +60°C
- Liners are classified as Low Smoke & Fume (LSF), Zero Halogen (LSOH) and Phosphorus Free
- Combined single (M10) or two bolt (M10) fixing design



TECHNICAL DATA & CLASSIFICATION	
TYPE	6.1.3 Composite LDAL - Aluminium
DESIGN SPECIFICATION	IEC 61914
TEMPERATURE FOR PERMANENT APPLICATION	-50°C to +60°C IEC 61914 clause 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	Refer to CMP Products, IEC 61914 clause 9.3
AXIAL LOAD TEST	Refer to CMP Products, IEC 61914 clause 9.4
IMPACT RESISTANCE	Pass - Very heavy IEC 61914 clause 6.3, 6.3.5, 9.2
MATERIAL	5000 Series Aluminium with Standard Polymer Liner Standard Polymer Liners are classified as Low Smoke & Fume (LSF), Zero Halogen (LSOH) and Phosphorus Free

SHORT CIRCUIT TESTING TO IEC 61914 - CLAUSE 9.5	
TREFOIL FORMATION	
One short circuit 300mm fixed cleat centres	Two short circuits 300mm fixed cleat centres
0.1 sec	0.1 sec
84kA Peak 40.5kA r.m.s	84kA Peak 40.5kA r.m.s

300MM HURON LDAL (0.1 SEC)	
CABLE OD (MM)	PEAK kA
36	84.0
38	86.3
43	91.8
59	107.5
65	112.9



CABLE CLEAT SELECTION TABLE								
HURON PART NO.	CABLE Ø RANGE TAKE (MM)	DIMENSIONS (MM)						WEIGHT (g)
		W	H	H	P	FIXING HOLE Ø		
						D1	D2	
LDAL019023	19-23	100	87	54	25	2 x M10	1 x M10	213
LDAL023028	23-28	104	88	54	25	2 x M10	1 x M10	235
LDAL027032	27-32	106	97	54	25	2 x M10	1 x M10	242
LDAL030035	30-35	108	103	54	25	2 x M10	1 x M10	248
LDAL033038	33-38	110	107	54	25	2 x M10	1 x M10	251
LDAL036042	36-42	132	108	54	50	2 x M10	1 x M10	295
LDAL040046	40-46	134	113	54	50	2 x M10	1 x M10	302
LDAL044050	44-50	136	121	54	50	2 x M10	1 x M10	309
LDAL048055	48-55	138	127	54	50	2 x M10	1 x M10	320
LDAL051058	51-58	140	130	54	50	2 x M10	1 x M10	326
LDAL055062	55-62	157	138	54	75	2 x M10	1 x M10	363
LDAL059066	59-66	157	145	54	75	2 x M10	1 x M10	371
LDAL063070	63-70	160	152	54	75	2 x M10	1 x M10	378
LDAL067074	67-74	163	160	54	75	2 x M10	1 x M10	386
LDAL071078	71-78	168	167	54	75	2 x M10	1 x M10	395
LDAL074082	74-82	190	175	54	75	2 x M10	1 x M10	444
LDAL077085	77-85	192	180	54	75	2 x M10	1 x M10	450
LDAL082088	82-88	193	186	54	75	2 x M10	1 x M10	455
LDAL088096	88-96	202	201	54	75	2 x M10	1 x M10	472
LDAL096103	96-103	214	215	54	75	2 x M10	1 x M10	486
LDAL103111	103-111	237	229	54	75	2 x M10	1 x M10	545
LDAL111119	111-119	248	244	54	75	2 x M10	1 x M10	561
LDAL119128	119-128	265	260	54	75	2 x M10	1 x M10	591

Coatings are available upon request by adding the following suffixes to the ordering reference - EC for epoxy coating, PC for polyester coating and TC for thermoplastic coating. Example order reference for epoxy coating suffix EC (LDAL019023EC). Fasteners required to secure the cable cleat to the support structure are not included but can be supplied upon request - see cleat fixing pack page 64-65. Isolation/separation pads (to prevent corrosion between two dissimilar metals) are not included but can be supplied on request - see isolation/separation pad page 66.