

Reliance (SDAL cable cleat)



Features

- Third party certification to IEC 61914
- 5000 series aluminium
- 3mm material thickness
- 19 - 128mm in 24 sizes for trefoil formation / application
- Short circuit rating of 106kA peak fault
- Operating temperature -50°C to +60°C
- Standard liners which are classified as Low Smoke & Fume (LSF), Zero Halogen (LSOH) and Phosphorus Free
- Combined single (M10) or two bolt (M10) fixing design

CMP Reliance 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).

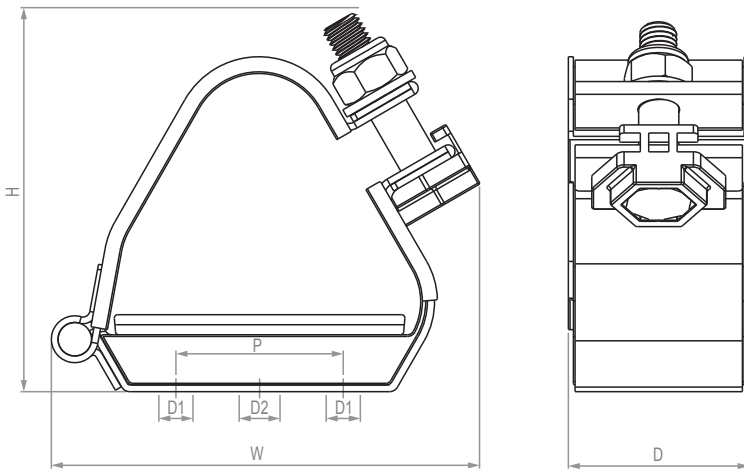
The Reliance range of cable cleats are fabricated from 5000 series aluminium and are available in 24 sizes to suit cable diameters 19mm to 128mm.

The Reliance cable 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 Reliance 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.

The Reliance cable cleats come with standard liners, helping to restrain the cable(s) within vertical applications. This provides a layer of protection between the cable sheath and the cable cleat during normal operation, where thermal elongation of cables occur, protecting 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.



Technical Data



Technical Data & Classification

Type	6.1.3 Composite SDAL - Aluminium
Design Specification	IEC 61914
Temperature for permanent application	-50°C to +60°C IEC 61914
Needle Flame Test	Pass - 120 second flame application time IEC 61914, IEC 60695-11-5
Lateral Load Test	Refer to CMP Products
Axial Load Test	Refer to CMP Products
Impact Resistance	Pass - Very heavy IEC 61914
Material	5000 Series Aluminium with Standard Liner <i>Standard liners are classified as Low Smoke & Fume (LSF), Zero Halogen (LS0H) and Phosphorus Free</i>

Short Circuit Testing to IEC 61914 - Clause 9.5

Trefoil Formation	
One short circuit (6.4.3) 300mm fixed cleat centres	One Short Circuit (6.4.3) 300mm fixed cleat centres
0.1 sec	1.0 sec
106kA Peak	70kA Peak
50.5kA RMS	33.3 RMS
Cable Ø 38 mm	Cable Ø 38 mm

Cable cleat selection table

Reliance Part No.	Cable Ø Range Take (mm)	Dimensions (mm)						Weight (g)
		W	H	D	P	Fixing Hole Ø		
						D1	D2	
SDAL019023	19-23	102	87	54	25	2 x M10	1 x M10	260
SDAL023028	23-28	106	88	54	25	2 x M10	1 x M10	285
SDAL027032	27-32	108	97	54	25	2 x M10	1 x M10	294
SDAL031035	31-35	110	103	54	25	2 x M10	1 x M10	302
SDAL034038	34-38	112	107	54	25	2 x M10	1 x M10	307
SDAL037042	37-42	134	108	54	50	2 x M10	1 x M10	357
SDAL041046	41-46	136	113	54	50	2 x M10	1 x M10	366
SDAL045050	45-50	138	121	54	50	2 x M10	1 x M10	376
SDAL049055	49-55	140	127	54	50	2 x M10	1 x M10	390
SDAL052058	52-58	142	130	54	50	2 x M10	1 x M10	398
SDAL056059	56-59	144	131	54	50	2 x M10	1 x M10	419
SDAL056062	56-62	159	138	54	75	2 x M10	1 x M10	448
SDAL060066	60-66	159	146	54	75	2 x M10	1 x M10	451
SDAL064070	64-70	162	153	54	75	2 x M10	1 x M10	461
SDAL068074	68-74	165	160	54	75	2 x M10	1 x M10	471
SDAL072078	72-78	170	167	54	75	2 x M10	1 x M10	483
SDAL076082	76-82	192	175	54	75	2 x M10	1 x M10	539
SDAL080086	80-86	196	183	54	75	2 x M10	1 x M10	547
SDAL084090	84-90	199	188	54	75	2 x M10	1 x M10	554
SDAL090098	90-98	208	205	54	75	2 x M10	1 x M10	576
SDAL098103	98-103	216	215	54	75	2 x M10	1 x M10	594
SDAL103111	103-111	239	229	54	75	2 x M10	1 x M10	663
SDAL111119	111-119	250	244	54	75	2 x M10	1 x M10	684
SDAL119128	119-128	267	260	54	75	2 x M10	1 x M10	720

Order reference example for epoxy coating suffix EC (SDAL019023EC)

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.