ELLIS

Holding Power

ProTect Cable Strap Data Sheet

ProTect Cable Cleats are available for trefoil cable applications where the highest levels of short circuit withstand are required. The unique patented design allows rapid installation. The frame, manufactured from 316L stainless steel, offers the ultimate protection against the harshest environmental conditions. The frame is tightened and locked using a combination of M10 set screw and flange nut in A4 stainless steel and screw head retainer in LSF Polymeric material (MDS01 data sheet)*. To protect and cushion the cables during short circuit conditions, the cleat is supplied with an integral LSF polymeric liner (MDS01 data sheet)*. **UK Design Reg. No. 355854**

* MDS01 Data Sheet is available on request.

Selection Data for Trefoil Cable Applications

ProTect Cleats are manufactured to specific cable diameters. Dimensional data is available on request from Ellis Patents

Testing Information

ProTect Cleats have been tested in line with the European Standard of 'Cable Cleats for Electrical Installations' BS EN 50368:2003. Typical results are detailed below:

Properties	BS EN 50368:2003 Classification Clause	Units / Classification	ProTect Trefoil Cable Application Test Data
Cleat Type	6.1, 6.1.3	Composite	-
Impact Resistance	6.2, 6.2.5, 9.3	Very Heavy Classification (>6.7kg @ 300mm)	Pass
Resistance to Electromechanical Force.	6.3, 6.3.2.1, 9.4	kA @ 300mm Centres	136 (Peak)
Resistance to Electromechanical Force.	6.3, 6.3.2.1, 9.4	kA @ 600mm Centres	135 (Peak)
Temperature for Permanent Application	6.4	^{o}C	-40 to 60
Needle Flame Test	6.5, 10.0	Application Time (seconds)	>120
Lateral Load Test	9.2	Refer to Ellis Patents for further details.	
Axial Movement Test	9.5	Newtons (N)	600