

# ELLIS

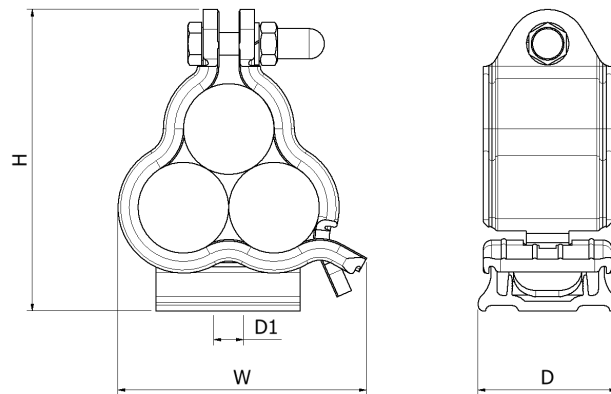
Holding Power

## DATA SHEET

## ALPHA

Patent No. UK Patent GB 240 5900

- 6000 SERIES ALUMINIUM FRAME
- ZINC PLATED STEEL M8 CLOSURE FIXINGS
- POLYESTER COATED FRAMES ARE AVAILABLE ON REQUEST
- SHORT CIRCUIT AND MECHANICALLY TESTED TO IEC 61914
- ABS APPROVED AND UL LISTED



| PART NO.<br>ALUMINIUM BASE | PART NO.<br>POLYMER BASE | CABLE RANGE<br>TREFOIL |                    | DIMENSIONS (mm) |     |      |                      | WEIGHT<br>(g) |
|----------------------------|--------------------------|------------------------|--------------------|-----------------|-----|------|----------------------|---------------|
|                            |                          | MIN $\phi$<br>(mm)     | MAX $\phi$<br>(mm) | W               | H   | D    | FIXING HOLES<br>(D1) |               |
| ALP01-AN0                  | ALP01-AN1                | 23.2                   | 25.1               | 76              | 93  | 48.5 | 1 x M10              | 168           |
| ALP02-AN0                  | ALP02-AN1                | 25.1                   | 27.1               | 79              | 96  | 48.5 | 1 x M10              | 178           |
| ALP03-AN0                  | ALP03-AN1                | 27.1                   | 29.3               | 82              | 101 | 48.5 | 1 x M10              | 185           |
| ALP04-AN0                  | ALP04-AN1                | 29.3                   | 31.7               | 86              | 105 | 48.5 | 1 x M10              | 195           |
| ALP05-AN0                  | ALP05-AN1                | 31.7                   | 34.2               | 91              | 110 | 48.5 | 1 x M10              | 205           |
| ALP06-AN0                  | ALP06-AN1                | 34.2                   | 37.0               | 96              | 116 | 48.5 | 1 x M10              | 217           |
| ALP07-AN0                  | ALP07-AN1                | 37.0                   | 40.0               | 101             | 121 | 48.5 | 1 x M10              | 229           |
| ALP08-AN0                  | ALP08-AN1                | 40.0                   | 43.2               | 106             | 127 | 48.5 | 1 x M10              | 241           |
| ALP09-AN0                  | ALP09-AN1                | 43.2                   | 46.7               | 113             | 134 | 48.5 | 1 x M10              | 255           |
| ALP10-AN0                  | ALP10-AN1                | 46.7                   | 50.5               | 119             | 141 | 48.5 | 1 x M10              | 272           |
| ALP11-AN0                  | ALP11-AN1                | 50.5                   | 54.6               | 127             | 148 | 48.5 | 1 x M10              | 288           |
| ALP12-AN0                  | ALP12-AN1                | 54.6                   | 59.0               | 135             | 156 | 48.5 | 1 x M10              | 307           |
| ALP13-AN0                  | ALP13-AN1                | 59.0                   | 63.8               | 144             | 165 | 48.5 | 1 x M10              | 327           |
| ALP14-AN0                  | ALP14-AN1                | 63.8                   | 69.0               | 153             | 175 | 48.5 | 1 x M10              | 348           |
| ALP15-AN0                  | ALP15-AN1                | 69.0                   | 74.6               | 163             | 186 | 48.5 | 1 x M10              | 372           |



POLYMER BASE  
(WITH POLYESTER COATED FRAME)

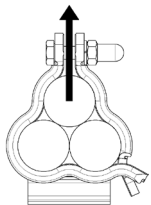


ALUMINIUM BASE

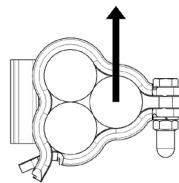
### TESTING SUMMARY

Alpha Cleats have been tested in line with the International Standard 'Cable Cleats for Electrical Installations' IEC 61914:2015. Typical results are detailed below, please note that these testing values are maximums and safety factors appropriate to your application should be used:

| PROPERTY  | CLASSIFICATION<br>CLAUSE IEC 61914 | UNITS /<br>CLASSIFICATION   | TEST DATA  |
|---|------------------------------------|---|--|
| CLEAT TYPE  | 6.1.1, 6.1.3                       | METALLIC / COMPOSITE  | -  |
| TEMP. FOR PERMANENT<br>APPLICATION                                  | 6.2                                | °C  | -40 - 60   |
| UV RESISTANCE   | 6.5.1                              | XENON ARC METHOD A  | PASS<br>APPLICABLE TO POWDER<br>COATED AND POLYMER BASE<br>OPTIONS       |
| CORROSION RESISTANCE  | 6.5.2                              | REFER TO ELLIS  | REFER TO ELLIS   |
| IMPACT RATING   | 6.3.5,                             | VERY HEAVY  | PASS   |
| FLAME PROPAGATION TEST  | 10.0, 10.1                         | APPLICATION TIME $\geq 30s$   | PASS   |
| AXIAL LOAD RATING   | 6.4.3, 9.4                         | NEWTONS (N)   | REFER TO ELLIS   |
| LATERAL LOAD RATING   | 6.4.2, 9.3                         | NEWTONS (N)   | HORIZONTAL - 500N<br>VERTICAL -500N                                      |
| RESISTANCE TO<br>ELECTROMECHANICAL FORCE<br>(SHORT CIRCUIT TESTING) | 6.4, 6.4.4, 9.5                    | CLEATS AT 300MM<br>INTERVALS<br>(WITHSTANDING ONE SHORT<br>CIRCUIT)           | 82kA (REPORT No. PDL-<br>18.184)<br><br>CABLE OD = $\varnothing 35mm$    |
| RESISTANCE TO<br>ELECTROMECHANICAL FORCE<br>(SHORT CIRCUIT TESTING) | 6.4, 6.4.5, 9.5                    | CLEATS AT 600MM<br>INTERVALS<br>(WITHSTANDING MORE THAN ONE<br>SHORT CIRCUIT) | 73.4kA (REPORT No. PDL-<br>18.122.2)<br><br>CABLE OD= $\varnothing 36mm$ |



LATERAL LOAD 'VERTICAL' DIRECTION



LATERAL LOAD 'HORIZONTAL DIRECTION'



Conduit & cable hardware 4CG8 with  
AH-2 & wet locations. Listed sizes:  
ALP01-AN0 to ALP15-AN0.

**LONDON UNDERGROUND**  
Alpha Cable Cleats are compliant with  
the requirements of LUL-1085. Product  
register number 360.

This data sheet is subject to change without notice. The information provided has been generated in laboratory conditions, as such results in use may vary.