

Copper Tube Terminals



Eland Product Group: **FCA**

APPLICATION

Standard copper tube terminals are manufactured from seamless copper tube. All terminals are provided with an inspection hole to ensure the conductor is fully inserted before crimping. A bell mouth also ensures a smooth transition from lug to cable, thus avoiding the problems of chafing where the component is subject to vibration.

The internal barrel diameters suit standard cables as defined in BS EN 60228.

STANDARDS

BS EN 61238-1:2003, BS 2871/C106



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CONSTRUCTION

Material

Tinned plated copper

DIMENSIONS

| ELAND PART NO. | CABLE SIZE mm ² | STUD mm | LENGTH mm | WIDTH mm | INSIDE DIAMETER mm | HOLE DIAMETER mm |
|----------------|-------------------------------|------------|--------------|-------------|-----------------------|---------------------|
| FT6-5 | 6 | 5 | 24.5 | 10 | 4.1 | 5.3 |
| FT6-6 | 6 | 6 | 24.5 | 11 | 4.1 | 6.3 |
| FT6-8 | 6 | 8 | 27 | 12.5 | 4.1 | 8.3 |
| FT10-5 | 10 | 5 | 26 | 10.8 | 4.4 | 5.1 |
| FT10-6 | 10 | 6 | 26 | 10.8 | 4.4 | 6.3 |
| FT10-10 | 10 | 10 | 39 | 15 | 4.4 | 10.4 |
| FT16-5 | 16 | 5 | 30 | 10.8 | 5.6 | 5.2 |
| FT16-6 | 16 | 6 | 30 | 10.8 | 5.6 | 6.3 |
| FT16-8 | 16 | 8 | 30 | 13.5 | 5.6 | 8.3 |
| FT16-10 | 16 | 10 | 35.5 | 15 | 5.6 | 10.3 |
| FT16-12 | 16 | - | 42 | 18 | 5.6 | - |
| FT25-5 | 25 | 5 | 32.5 | 13.8 | 7 | 5.2 |
| FT25-6 | 25 | 6 | 32.5 | 13.8 | 7 | 6.3 |
| FT25-8 | 25 | 8 | 32.5 | 13.8 | 7 | 8.3 |
| FT25-10 | 25 | 10 | 38 | 16 | 7 | 10.2 |
| FT25-12 | 25 | 12 | 38 | 18 | 7 | 12.8 |
| FT35-6 | 35 | 6 | 35 | 15.3 | 8.2 | 6.3 |
| FT35-8 | 35 | 8 | 35 | 15.3 | 8.2 | 8.2 |
| FT35-10 | 35 | 10 | 40.5 | 15.3 | 8.2 | 10.3 |
| FT35-12 | 35 | 12 | 40.5 | 18 | 8.2 | 12.9 |
| FT35-14 | 35 | 14 | 40.5 | 19.6 | 8.2 | 14.8 |

| ELAND PART NO. | CABLE SIZE mm ² | STUD mm | LENGTH mm | WIDTH mm | INSIDE DIAMETER mm | HOLE DIAMETER mm |
|----------------|-------------------------------|------------|--------------|-------------|-----------------------|---------------------|
| FT50-6 | 50 | 6 | 37 | 17.4 | 9.5 | 6.3 |
| FT50-8 | 50 | 8 | 37 | 17.4 | 9.5 | 8.3 |
| FT50-10 | 50 | 10 | 42.5 | 17.4 | 9.5 | 10.3 |
| FT50-12 | 50 | 12 | 42.5 | 17.4 | 9.5 | 12.8 |
| FT50-14 | 50 | 14 | 42.5 | 20.3 | 9.5 | 14.8 |
| FT50-16 | 50 | 16 | 52.8 | 23.2 | 9.5 | 16.5 |
| FT70-6 | 70 | 6 | 40.5 | 20.9 | 11.5 | 6.3 |
| FT70-8 | 70 | 8 | 40.5 | 20.9 | 11.5 | 8.2 |
| FT70-10 | 70 | 10 | 46 | 20.9 | 11.5 | 10.2 |
| FT70-12 | 70 | 12 | 46 | 20.9 | 11.5 | 12.7 |
| FT70-14 | 70 | 14 | 50 | 20.9 | 11.5 | 14.8 |
| FT70-16 | 70 | 16 | 50 | 20.9 | 11.5 | 16.3 |
| FT95-8 | 95 | 8 | 49.5 | 24.3 | 13.5 | 8.3 |
| FT95-10 | 95 | 10 | 49.5 | 24.3 | 13.5 | 10.3 |
| FT95-12 | 95 | 12 | 49.5 | 24.3 | 13.5 | 12.7 |
| FT95-14 | 95 | 14 | 56 | 24.3 | 13.5 | 14.8 |
| FT95-16 | 95 | 16 | 56 | 24.3 | 13.5 | 16.3 |
| FT120-8 | 120 | 8 | 55.5 | 27.3 | 15 | 8.3 |
| FT120-10 | 120 | 10 | 55.5 | 27.3 | 15 | 10.3 |
| FT120-12 | 120 | 12 | 55.5 | 27.3 | 15 | 12.7 |
| FT120-14 | 120 | 14 | 55.5 | 27.3 | 15 | 14.8 |
| FT120-16 | 120 | 16 | 60 | 27.3 | 15 | 16.3 |
| FT120-20 | 120 | 20 | 76.6 | 30 | 15 | 20.9 |
| FT150-10 | 150 | 10 | 61 | 30.2 | 16.5 | 10.2 |
| FT150-12 | 150 | 12 | 61 | 30.2 | 16.5 | 12.7 |
| FT150-14 | 150 | 14 | 61 | 30.2 | 16.5 | 14.7 |
| FT150-16 | 150 | 16 | 65 | 30.2 | 16.5 | 16.2 |
| FT150-20 | 150 | 20 | 65 | 30.2 | 16.5 | 20.8 |
| FT185-10 | 185 | 10 | 66.5 | 33.3 | 18.5 | 10.3 |
| FT185-12 | 185 | 12 | 68 | 33.3 | 18.5 | 12.9 |
| FT185-14 | 185 | 14 | 68 | 33.3 | 18.5 | 14.7 |
| FT185-16 | 185 | 16 | 70 | 33.3 | 18.5 | 16.5 |
| FT185-20 | 185 | 20 | 70 | 33.3 | 18.5 | 20.9 |
| FT240-10 | 240 | 10 | 88 | 37.7 | 21 | 10.3 |
| FT240-12 | 240 | 12 | 88 | 37.7 | 21 | 12.7 |
| FT240-14 | 240 | 14 | 88 | 37.7 | 21 | 14.7 |
| FT240-16 | 240 | 16 | 88 | 37.7 | 21 | 16.4 |
| FT240-20 | 240 | 20 | 88 | 37.7 | 21 | 20.9 |
| FT300-10 | 300 | 10 | 97 | 41 | 23 | 10.3 |
| FT300-12 | 300 | 12 | 97 | 41 | 23 | 12.7 |
| FT300-14 | 300 | 14 | 97 | 41 | 23 | 14.7 |
| FT300-16 | 300 | 16 | 97 | 41 | 23 | 16.4 |
| FT300-20 | 300 | 20 | 97 | 41 | 23 | 20.9 |
| FT400-12 | 400 | 12 | 108 | 47.3 | 27 | 12.7 |
| FT400-14 | 400 | 14 | 108 | 47.3 | 27 | 14.7 |

| ELAND PART NO. | CABLE SIZE mm ² | STUD mm | LENGTH mm | WIDTH mm | INSIDE DIAMETER mm | HOLE DIAMETER mm |
|----------------|-------------------------------|------------|--------------|-------------|-----------------------|---------------------|
| FT400-16 | 400 | 16 | 108 | 47.3 | 27 | 16.4 |
| FT400-20 | 400 | 20 | 108 | 47.3 | 27 | 20.9 |
| FT400-BK | 400 | - | 108 | 47.3 | 27 | - |
| FT500-14 | 500 | 14 | 117 | 53 | 30 | 14.7 |
| FT500-16 | 500 | 16 | 117 | 53 | 30 | 16.4 |
| FT500-20 | 500 | 20 | 117 | 53 | 30 | 20.9 |
| FT500-BK | 500 | - | 117 | 53 | 30 | - |
| FT630-10 | 630 | 10 | 127 | 63 | 33.8 | 10.3 |
| FT630-12 | 630 | 12 | 127 | 63 | 33.8 | 12.7 |
| FT630-14 | 630 | 14 | 127 | 63 | 33.8 | 14.7 |
| FT630-16 | 630 | 16 | 127 | 63 | 33.8 | 16.4 |
| FT630-20 | 630 | 20 | 127 | 63 | 33.8 | 20.9 |

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.