





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A6FG02010	2	1	7.1	71
A6FG02015	2	1.5	8	88
A6FG02025	2	2.5	9	127
A6FG02040	2	4	10.4	181
A6FG03010	3	1	7.5	85
A6FG03015	3	1.5	8.5	112
A6FG03025	3	2.5	9.4	154
A6FG03040	3	4	11.2	230
A6FG04010	4	1	8.3	107
A6FG04015	4	1.5	9.4	139
A6FG04025	4	2.5	10.5	191
A6FG04040	4	4	12.4	285

## CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
1	18.1
1.5	12.1
2.5	7.41
4	4.61

## ELECTRICAL CHARACTERISTICS

### Current Carrying Capacity and Voltage Drop

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CURRENT RATING CLIPPED DIRECT) Amps	
	Single Phase AC or DC	Three Phase AC
1	15	13.5
1.5	19.5	17.5
2.5	27	24
4	36	32

## VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	DC mV/A/m	SINGLE PHASE AC mV/A/m	THREE PHASE AC mV/A/m
1	44	44	38
1.5	29	29	25
2.5	18	18	15
4	11	11	9.5

### Notes

1. The above current ratings are taken from Table 4D2 (maximum conductor operating temperature of 70°C) as required by the 18th Edition of IEE Wiring Regulations BS7671 and IEC 60364-5-52. However, these cables are capable of operating at 90°C in which case the higher current ratings of Table 4E2 can be used providing it has been ascertained that the equipment connected to the conductor is suitable for the higher conductor operating temperature.

2. Protective devices used for these cables shall be either Type B to BS EN 60898 or Type B RCBO to BS EN 61009-1. The protective devices shall have a maximum let through energy (I<sub>2t</sub>) of 42000A<sup>2</sup>s when used with 1.0mm<sup>2</sup> or 1.5mm<sup>2</sup> cable and 60000 A<sup>2</sup>s when used with 2.5mm<sup>2</sup> or 4.0mm<sup>2</sup> cable.

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.