

Elandflex Cable

Eland Product Group **A2F**



Application

Highly flexible single core conductors with a great variety of industrial applications, such as cable harnesses, panel wiring and power generation.

Standards

IEC 60332-1

Technical Data

Conductor

Flexible plain copper conductor

Voltage Rating

450/750V

Sheath

PVC (Polyvinyl Chloride)

Temperature Rating

Fixed: -30°C to +70°C
Flexing: +5°C to +70°C

Sheath Colour

Black or Red

Minimum Bending Radius

6 x overall diameter

Dimensions

Eland Part Number	No. Cores x Nominal Cross Sectional Area mm ²	Nominal Diameter of Strands mm	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A2F016	1 x 16	0.3	1.4	8.7	200
A2F025	1 x 25	0.3	1.5	10.5	300
A2F035	1 x 35	0.3	1.7	12.0	410
A2F050	1 x 50	0.3	1.7	13.8	565
A2F070	1 x 70	0.3	1.9	15.9	780
A2F095	1 x 95	0.3	2.0	18.2	1050
A2F120	1 x 120	0.3	2.0	20.1	1300

Electrical Characteristics

Current Carrying Capacity (amperes) and Resistance Values (ohms per kilometre)

Nominal Cross Sectional Area mm ²	Electrical Resistance at 20°C Max. ohms/Km	Insulation Resistance at 70°C Min. Mohms/Km	Current Rating Amps	
			Pipe	Open Duct
10	1.910	0.0056	50	57
16	1.310	0.0046	65	73
25	0.850	0.0044	85	97
35	0.595	0.0038	106	121
50	0.419	0.0037	129	145
70	0.297	0.0032	164	184
95	0.219	0.0032	201	225
120	0.175	0.0029	229	258

The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.