

SiF Silicone 180 Cable



Eland Product Group: V51

APPLICATION

This cable can be used for operation in ambient temperatures above 55 °C, for internal wiring of lamps, heating equipment and electrical appliances as well as for switching boxes and distribution boards.

CHARACTERISTICS

Voltage Rating U₀/U
300/500V

Temperature Rating
Fixed: -60°C to +180°C

Minimum Bending Radius
Fixed: 6 x overall diameter
Flexed: 15 x overall diameter

CONSTRUCTION

Conductor
Class 5 flexible stranded tinned copper

Insulation
Silicone Rubber

Insulation Colour
● Green/Yellow ● Blue ● Black ● Brown ● Grey
○ White ● Red

STANDARDS

VDE 0482-332-1-2

Fire Retardant according to: IEC 60332-1-2

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V5101001**000	1	0.5	2.1	8.6
V5101011**000	1	0.75	2.4	11
V5101021**000	1	1	2.5	13.6
V5101031**000	1	1.5	2.8	20.3
V5101041**000	1	2.5	3.4	32
V5101051**000	1	4	4.2	48.5
V5101061**000	1	6	5.2	71
V5101071**000	1	10	6.3	124
V5101081**000	1	16	8	188
V5101091**000	1	25	9.9	296
V5101101**000	1	35	11.2	400
V5101111**000	1	50	13.8	570
V5101121**000	1	70	14.8	766
V5101131**000	1	95	18.2	1030
V5101141**000	1	120	18.8	1300
V5101151**000	1	150	20.8	1563
V5101161**000	1	185	23.3	1915
V5101171**000	1	240	26.1	2440
V5101181**000	1	300	28.9	3100

*Designates the sheath colour. For each Eland Cables part number replace with the colour code as listed below. e.g. V5101001BK000 – 0.5mm² Black

CURRENT CARRYING CAPACITY

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY IN FREE AIR AT 30°C A
1	0.5	6
1	0.75	15
1	1	19
1	1.5	24
1	2.5	32
1	4	42
1	6	54
1	10	73
1	16	98
1	25	129
1	35	158
1	50	198
1	70	245
1	95	292
1	120	344
1	150	391
1	185	448
1	240	528
1	300	608

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.