

# SiHF-J Silicone 180 Cable



Eland Product Group: V52

## APPLICATION

This cable is used for connection of electrical appliances without mechanical stress at increased environmental temperatures, for example in steelworks, but also at low temperatures. Insulation and sheath are resistant to most oils, acids, lyes and oxidants.

## CHARACTERISTICS

**Voltage Rating** Uo/U  
300/500V

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

**Minimum Bending Radius**  
Fixed: 5 x overall diameter  
Flexed: 15 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 5 flexible Stranded Tinned Copper

**Insulation**  
Silicone Rubber

**Outer Sheath**  
Silicone Rubber

**Core Identification**  
3 cores: ● Green/Yellow ● Blue ● Brown  
4 cores: ● Green/Yellow ● Blue ● Black ● Grey  
5 cores: ● Green/Yellow ● Blue ● Brown ● Black ● Grey  
More than 5 cores: ● Black numbered + ● Green/Yellow

**Sheath Colour**  
● Red

## STANDARDS

VDE 0482-332-1-2

Fire Retardant according to IEC 60332-1-2

## ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



8578

FS 672069

EMS 672067

OHS 672066

## REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V5203012RD000	3	0.75	6.8	66
V5203022RD000	3	1	7.4	78
V5203032RD000	3	1.5	8	98
V5203042RD000	3	2.5	9.7	152
V5203052RD000	3	4	11.5	249
V5203062RD000	3	6	14.2	352
V5204012RD000	4	0.75	7.8	84
V5204022RD000	4	1	8	95
V5204032RD000	4	1.5	8.8	122
V5204042RD000	4	2.5	10.6	189
V5204052RD000	4	4	13	330
V5204062RD000	4	6	16.2	429
V5204072RD000	4	10	21.4	710
V5204082RD000	4	16	24	1014
V5204092RD000	4	25	29.3	1460
V5204102RD000	4	35	33	2044
V5204112RD000	4	50	34	2990
V5205012RD000	5	0.75	8.5	101
V5205022RD000	5	1	8.8	116
V5205032RD000	5	1.50	9.6	148
V5205042RD000	5	2.5	11.6	229
V5205052RD000	5	4	15	359
V5205062RD000	5	6	17.7	564
V5205072RD000	5	10	22.5	900
V5205082RD000	5	16	26.9	1206
V5205102RD000	5	35	36.7	2850
V5207012RD000	7	0.75	9.6	158
V5207022RD000	7	1	10	177
V5207032RD000	7	1.5	10.9	232
V5207042RD000	7	2.5	13.2	348
V5207052RD000	7	4	16.2	487
V5207062RD000	7	6	19.3	685
V5210012RD000	12	0.75	11.1	178
V5210032RD000	12	1.5	14.8	332
V5210042RD000	12	2.5	18	530
V5214012RD000	18	0.75	13.3	260
V5214032RD000	18	1.5	17.6	510
V5217032RD000	24	1.5	20.2	635
V5218012RD000	25	0.75	15.6	370

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.