

## SiHFC Silicone 180 Cable



Eland Product Group: V53

### APPLICATION

This cable is used for connection of mobile electrical appliances without mechanical stress at increased ambient temperatures, for example in steelworks, but also at low temperatures. Insulation and sheath are resistant to most oils, greases, acids, lyes and oxidants. For fixed installation in mechanical protected conduits. The cable is designed for use in EMC sensitive applications.

### CHARACTERISTICS

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

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

**Minimum Bending Radius**  
Fixed: 5 x overall diameter  
Flexed: 10 x overall diameter

### CONSTRUCTION

**Conductor**  
Class 5 flexible stranded tinned copper

**Insulation**  
Silicone Rubber

**Inner Sheath**  
Silicone Rubber

**Screen**  
TCWB (Tinned Copper Wire Braid)

**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.



### 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
V5302012RD000	2	0.75	9.2	124
V5302022RD000	2	1	9.5	132
V5302032RD000	2	1.5	10.7	172
V5302042RD000	2	2.5	12.1	230
V5303012RD000	3	0.75	9.9	130
V5303022RD000	3	1	9.7	146
V5303032RD000	3	1.5	11.8	198
V5303042RD000	3	2.5	12.9	275
V5304012RD000	4	0.75	10.1	159
V5304022RD000	4	1	10.7	174
V5304032RD000	4	1.5	12.1	230
V5304042RD000	4	2.5	14.2	334
V5304052RD000	4	4	17.1	520
V5304062RD000	4	6	18.8	781
V5304072RD000	4	10	25.7	1294
V5304082RD000	4	16	28.4	1988
V5304092RD000	4	25	35	2995
V5305012RD000	5	0.75	10.9	177
V5305022RD000	5	1	11.6	203
V5305032RD000	5	1.5	13.3	276
V5305042RD000	5	2.5	15.6	394
V5305052RD000	5	4	19.4	592
V5307012RD000	7	0.75	11.6	214
V5307022RD000	7	1	12.1	247
V5307032RD000	7	1.5	14.3	342
V5307042RD000	7	2.5	16.9	488
V5310022RD000	12	1	15.2	454
V5310032RD000	12	1.5	19.6	371
V5314032RD000	18	1.5	20.9	720
V5317022RD000	24	1	24.2	526
V5318032RD000	25	1.5	27	791

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.