ELAND® CABLES

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 EMCsensitive 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 numebered + Green/Yellow

Sheath Colour
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 byThe Cable Lab®.

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm^2	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

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CURRENT CARRYING CAPACITY

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	CURRENT CARRYING CAPACITY IN FREE AIR AT 30°C A
2	0.75	12
2	1	15
2	1.5	18
2	2.5	26
3	0.75	12
3	1	15
3	1.5	18
3	2.5	26
4	0.75	12
4	1	15
4	1.5	18
4	2.5	26
4	4	34
4	6	44
4	10	61
4	16	82
4	25	108
5	0.75	12
5	1	15
5	1.5	18
5	2.5	26
5	4	34
7	0.75	12
7	1	15
7	1.5	18
7	2.5	26
12	1	15
12	1.5	18
18	1.5	18
24	1	15
25	1.5	18