SiHF-J Silicone 180 Cable - 0.75mm² to 50mm²



Description

SIHF-J cables are multi core class 5 flexible cables in a silicone insulation and outer sheath. They are designed for use in environments with sustained temperature extremes and fluctuations, making them suitable for a wide range of industrial applications such as power plants, ships and aircrafts, furnaces and ovens. As silicone rubbers don't support fungal or bacterial growth they are also used in food processing, refrigeration and medical industries. In addition SiHF-J cables are suitable for the leisure industry finding use in saunas and terrariums etc

SIHF-J cables are rated to 300/500V. They are heat resistant up to 180°C and can also be employed at temperatures as low as -60°C. These silicon cables are low smoke zero halogen and are suitable for use in public buildings under CPR 2017. Insulation and sheath are resistant to most oils, acids, alkali solutions ozone and oxidants.

Key Features

Voltage Rating
300/500 Volts

Minimum Bending Radius
Fixed: 6 x overall diameter
Flexing: 10 x overall diameter

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Temperature Range: -60°C to +180°C

Core Colours

3 core: Brown | Blue | Green Yellow

4 core: Brown | Black | Grey | Green Yellow

5 core: Brown | Blue | Green Yellow | Black | Grey

6 core and above - Black cores with White numbers plus Green Yellow

Standards

- BS EN/IEC 60332-1-2
- VDE 0482-332-1-2

Construction

- **Conductor**: Class 5 tinned copper
- **Insulation**: Silicone Rubber
- **Outer Sheath**: Silicone Rubber
- **Sheath Colour**: Red

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

CLEVELAND CABLE COMPANY

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

SiHF-J Silicone 180 Cable - 0.75mm² to 50mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
SIHFJ180C500V3X/75	0.75	3	42	7.0	70
SIHFJ180C500V4X/75	0.75	4	48	8.0	85
SIHFJ180C500V5X/75	0.75	5	51	8.5	105
SIHFJ180C500V7X/75	0.75	7	57	9.5	160
SIHFJ180C500V12X/75	0.75	12	72	12.0	180
SIHFJ180C500V3X1	1.0	3	45	7.5	80
SIHFJ180C500V4X1	1.0	4	51	8.5	100
SIHFJ180C500V5X1	1.0	5	54	9.0	120
SIHFJ180C500V7X1	1.0	7	60	10.0	180
SIHFJ180C500V12X1	1.0	12	90	15.0	330
SIHFJ180C500V3X1/5	1.5	3	48	8.0	100
SIHFJ180C500V4X1/5	1.5	4	54	9.0	125
SIHFJ180C500V5X1/5	1.5	5	60	10.0	150
SIHFJ180C500V7X1/5	1.5	7	66	11.0	235
SIHFJ180C500V12X1/5	1.5	12	108	18.0	540
SIHFJ180C500V3X2/5	2.5	3	60	10.0	155
SIHFJ180C500V4X2/5	2.5	4	63	10.5	190
SIHFJ180C500V5X2/5	2.5	5	72	12.0	235
SIHFJ180C500V7X2/5	2.5	7	81	13.5	360
SIHFJ180C500V3X4	4	3	69	11.5	250
SIHFJ180C500V4X4	4	4	78	13.0	335
SIHFJ180C500V5X4	4	5	90	15.0	365
SIHFJ180C500V7X4	4	7	99	16.5	495
SIHFJ180C500V3X6	6	3	87	14.5	350
SIHFJ180C500V4X6	6	4	99	16.5	435
SIHFJ180C500V5X6	6	5	108	18.0	575
SIHFJ180C500V7X6	6	7	117	19.5	695
SIHFJ180C500V4X10	10	4	123	21.5	715
SIHFJ180C500V5X10	10	5	138	23.0	575
SIHFJ180C500V4X16	16	4	150	25.0	1020
SIHFJ180C500V5X16	16	5	162	27.0	915
SIHFJ180C500V4X25	25	4	177	29.5	1475
SIHFJ180C500V5X25	25	5	192	32.0	1220
SIHFJ180C500V4X35	35	4	198	33.0	2060
SIHFJ180C500V5X35	35	5	222	37.0	2865
SIHFJ180C500V4X50	50	4	210	35.0	3010

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31196