

SiF Silicone 180 Cable - 0.50mm² to 300mm²



Description

SiF Silicone 180 Cable is a single core flexible cable which can be used for operation in temperatures up to 180°C. They are mainly utilised as internal wiring for lamps, heating equipment and electrical appliances as well as for switching boxes and distribution boards. The cables have a class 5 flexible tinned copper core surrounded by a silicone rubber sheath and are available in a large range of colours.

As silicone rubbers don't support fungal or bacterial growth they are also used in food processing, refrigeration and medical industries. SIA and SIAF cables are also widely used in the Oil, Gas & Petrochemicals industries.

SIA 180 cables are rated to 300/500V. SIA cables 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

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

Available in: Brown Blue Green Yellow Black Grey White and

Red

Standards

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

Construction

- **Conductor:** Class 5 tinned copper
- **Insulation:** Silicone Rubber

QA Lab

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. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



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.



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

SiF Silicone 180 Cable - 0.50mm² to 300mm² - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
SIA180500VSIL1X/5	0.5	1	13	2.2	9
SIA180500VSIL1X1	1	1	15	2.5	14
SIA180500VSIL1X1/5	1.5	1	18	3.0	20
SIA180500VSIL1X2/5	2.5	1	21	3.5	32
SIA180500VSIL1X4	4	1	27	4.5	49
SIA180500VSIL1X6	6	1	32	5.2	75
SIA180500VSIL1X10	10	1	39	6.5	130
SIA180500VSIL1X16	16	1	48	8	195
SIA180500VSIL1X25	25	1	60	10	300
SIA180500VSIL1X35	35	1	69	11.5	412
SIA180500VSIL1X70	70	1	90	15.0	780
SIA180500VSIL1X95	95	1	110	18.5	1045
SIA180500VSIL1X120	120	1	114	19.0	1315
SIA180500VSIL1X150	150	1	126	21.0	1580
SIA180500VSIL1X185	185	1	141	23.5	1935
SIA180500VSIL1X240	240	1	159	26.5	2465
SIA180500VSIL1X300	300	1	174	29.0	3125
SIA180500VSIL1X400	400	1	204	34.0	4031

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

