



**Siechem PFA Insulated Single Core Cable**

**Application**

- ✓ Wiring for machinery and other equipment for very low & high temperature use.
- ✓ These Cables are designed for fixed installation in areas of high & low temperatures.

**Product Construction**

- ✓ Conductor : Annealed Tinned Copper Conductor
- ✓ Insulation : Perfluoro Alkoxy Alkene Polymer (PFA)
- ✓ Colour : As Per Customer Order.

**Technical Data**

- ✓ Tin Plated Copper : + 180°C
- ✓ Silver Plated Copper : + 205°C
- ✓ Nickel Plated Copper : + 300°C
- ✓ Temperature Rating : - 200°C up to +260°C
- ✓ Test Voltage : 2000 V(AC)
- ✓ Nominal Voltage : 300/500 V
- ✓ Hardness : 60 shore D
- ✓ Oxygen Index : > 95%
- ✓ Water Absorption : < 0.03%
- ✓ Min. Bending Radius : 10 X Cable O.D
- ✓ Insulation Resistance : 2 GΩ.km at 20°C

**Features**

- ✓ Provides superior creep resistance at high temperature.
- ✓ Exceptional flame resistance 'V0' rating.
- ✓ Excellent weatherability.
- ✓ High light transmission.
- ✓ Good impact strength.
- ✓ Excellent chemical / solvent resistant.
- ✓ Good Resistance to moisture, oil and chemicals.

**PFA CABLE**

<b>ISO 9001</b>	<b>ISO 14001</b>	<b>IATF 16949</b>	<b>OHSAS 18001</b>	<b>AS 9100</b>	<b>ISO 45001</b>			
-----------------	------------------	-------------------	--------------------	----------------	------------------	--	--	--

Part Number	Nominal Cross Section No. of Cores x Size	Conductor Construction No. of Strands x Strand Dia	Electrical Resistance at (20°C)	Nom. Thickness of Insulation	Nom. Outer Diameter	Approx Cable Weight
	Nos/sq.mm	Nos/mm	Ω/km	mm	mm	kg/km
54403XX	1C X 0.25	19 X 0.13	79.0	0.20	1.1	4
54406XX	1C X 0.5	19 X 0.18	40.1	0.20	1.4	6
54408XX	1C X 0.75	19 X 0.23	26.7	0.20	1.6	9
54410XX	1C X 1.0	19 X 0.26	20.0	0.25	1.8	12
54413XX	1C X 1.5	19 X 0.32	13.7	0.25	2.1	17
54416XX	1C X 2.5	19 X 0.41	8.21	0.25	2.6	27
54502XX	1C X 0.22	7 X 0.20	90.0	0.20	1.1	3.5
54506XX	1C X 0.5	16 X 0.20	40.1	0.20	1.4	6
54508XX	1C X 0.75	24 X 0.20	26.7	0.25	1.6	9
54510XX	1C X 1.0	32 X 0.20	20.0	0.25	1.9	12
54513XX	1C X 1.5	30 X 0.25	13.7	0.25	2.1	16
54516XX	1C X 2.5	50 X 0.25	8.21	0.25	2.6	26
54519XX	1C X 4.0	56 X 0.30	5.09	0.35	3.3	41
54523XX	1C X 6.0	84 X 0.30	3.39	0.35	3.9	61
54527XX	1C X 10.0	80 X 0.40	1.95	0.40	5.0	95

Note : XX\* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	



**Siechem Wires & Cables Meet EU RoHS Directive**

<b>Lead Free</b>	<b>Hg Free</b>	<b>Cd Free</b>	<b>Cr<sup>6+</sup> Free</b>	<b>PBB Free</b>	<b>PBDE Free</b>
------------------	----------------	----------------	-----------------------------	-----------------	------------------

www.siechem.com