









SENSITHERM S.r.l.

Rev. 00
Spec. Cavi A.T.01

High temperature special cables

Issued 06.04.2000
Approv.

	FG4	- 60 + 180°C	Cu - Cu Sn	Gomma Silicone Silicon rubber
	FTV	- 60 + 150°C	Cur - Cu Ni Ni 99%	PTFE + cal. 22 vetro Glass fibre
	FG4T2	- 60 + 180°C	Cu - Cu Sn	Gomma silicone E12 + Calza di fibra in vetro Silicon rubber E12 + glass fibre
	FG4OG4	-60 + 180°C	Cu - Cu Sn TC estension cables	Gomma silicone Silicon rubber Gomma silicone 2GJ-1 Silicon rubber 2GJ-1
	FG4OG4T2A	-60 + 200°C	Cu - Cu Sn TC estension cables	Gomma silicone + calza di fibra in vetro + acciaio zincato Silicon rubber + glass fibre + galvanized steel armour
		- 100 + 205°C	Cu - Cu Sn - Cu Ni - Cu Ag	Etilene propilene florurato - FEP FEP
		- 100 +260°C	Cu - Cu Sn - Cu Ni - Cu Ag	Resina fluorocarbonica - PFA PFA
		- 100 +260°C	Cu Sn - Cu Ni	Politetrafluoroetilene teflon@ - PTFE PTFE TAPE

Typical application :

Insulated silicon rubber cables are used where special properties of resistance are required, both to the heat and to the cold, and for difficult working conditions, the production of heating and lighting equipment, in ships, planes, cement factories, glassworks, potteries, for the manufacture of engines, household appliances, etc.

Cable insulated with silicon rubber have excellent electrical characteristics, they are insensitive to damp, oxygen and ozone and therefore, they are especially resistant to atmospheric agents and to ageing. The dielectric loss and constant factors remain unaltered under a wide range of temperatures from -20°C to +200°C. For use under difficult mechanical conditions or for insertion into tubes, it is advisable to use silicon cables fitted with a further protective fiberglass sheath.

Fluorinated resins provide maximum reliability, together with the possibility of reducing production costs in terms of the weight and size of electrical equipment. No other insulating material can match the mechanical resistance and electrical properties of these resins, which are maintained even under the hardest conditions.

Ideal for use in the electronic, aeronautical, nuclear, navy and military sectors and also for computers.