











SENSITHERM S.r.l.

Rev. 00 Spec. Cavi A.T.02	Extension & Compensating cables for thermocouples and special cables for thermoresistances	Issued 06.04.2000 Approv.	
 Flat Type	- 40 + 105°C - 60 + 180°C	PVC SILICONE	<p>Typical application :</p> <p>The use of the thermocouples is the easier, skilled and convenient method to survey the temperature in the thermo-industrial process, particularly for those one carried out with high temperature.</p> <p>To realize the junction between the thermocouples and the equipment you have to use material with the same E.m.f. exit of the couple, otherwise you will be able to find spurious E.m.f. in the joints. The best solution is to employ the equal stuff of the thermocouples and these wires have been called : " EXTENSION CABLES " .</p> <p>When this solution becomes too expensive you can use different kind of alloys, in this case the paired cables E.m.f.'s is the same of the one of the Thermocouples, even if the E.m.f. of each single leg is not usually equal. The wires realized with this material have been called : " COMPENSATING CABLE " .</p>
 Flat and Armoured Type	- 40 + 105°C - 60 + 180°C	PVC SILICONE	
 Round Type	- 40 + 105°C - 60 + 180°C	PVC SILICONE	
 Round and Armoured Type	- 40 + 105°C - 60 + 180°C	PVC SILICONE	
 Round and shielded Type	- 40 + 105°C - 60 + 180°C	PVC SILICONE	
 Round Type, copper shield and outer jacket	- 40 + 80°C	PVC	
 Round Type, tape shield and outer jacket	- 40 + 80°C	PVC	
 Isolamento silicone, guaina fibra vetro Silicon insulated, outer glass fibre	- 60 + 200°C		
 Isolamento silicone, guaina fibra vetro e schermo in treccia di rame Silicon insulated, outer glass fibre and copper braid shield	- 60 + 200°C		
 Isolamento fibra vetro, guaina fibra vetro e schermo in treccia di rame Fibre glass insulated, fibre glass outer and copper braid shield	- 60 + 250°C		