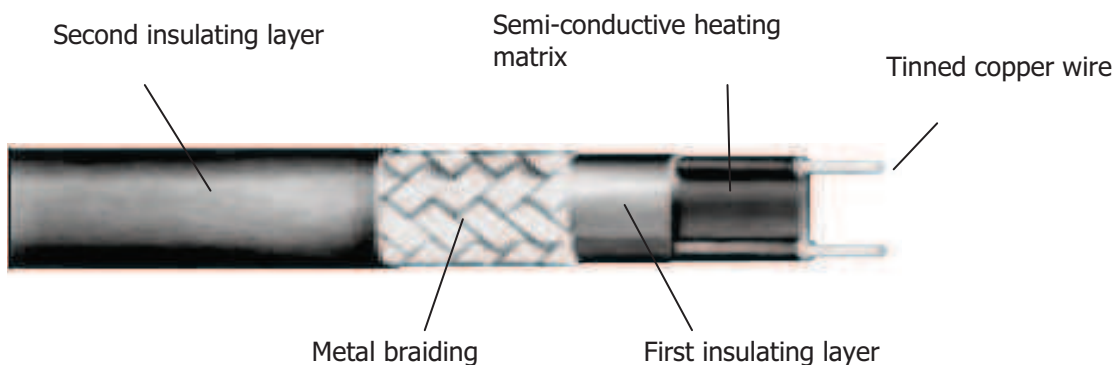


# CSC - /SC

The technology of C DESIGN self-regulating cable wires is based on the properties of certain particular polymers that vary their resistance as a function of the temperature they are exposed to. They are made of two tinned copper conductors on which is extruded a compound made of a specific concentration of graphite and semi conductive polymers that will constitute the wire active and heating portion. This matrix is subsequently irradiated by a special equipment to record its molecular setting and build a memory of its initial characteristics. The tape thus obtained is insulated with a poliolephine sheath (a thermoplastic material with a high dielectric seal) that effectively guarantees a first stage of mechanical and electrical insulation. The wire is further clad in a tinned copper or stainless steel metal braiding and subsequently coated with a second poliolephine sheath which guarantees corrosion and chemical agents proofing

C DESIGN self-regulating heating cable are usually produced and supplied by the metre, unbroken or in bobbins. At customer's request or for special applications, they can be supplied in pieces of the required length and wired according to the customer's needs

## STRUCTURE SKETCH:



## PROVISIONS AND REFERENCE HOMOLOGATIONS

- In compliance with 73/23/EEC DIRECTIVE
- declaration of conformity on all items



# CSC : SELF-REGULATING CABLE

Description	Code	Power	Leght warm cable	Weight
<b>CSC 10</b>	029010001	10 W/m	160 m	0,100 kg/m
<b>CSC 15</b>	029020001	15 W/m	109 m	0,100 kg/m
<b>CSC 20</b>	029030001	20 W/m	81 m	0,100 kg/m
<b>CSC 25</b>	029040001	25 W/m	48 m	0,100 kg/m

Technical characteristics	Volt supply :	230 Vac
	Maximum temperature On:	50 °C
	Maximum temperature Off:	85 °C
	Minimum installation temperature	-30 °C
	External cover	poliolephine
	Minimum curvature radius:	20 mm
	Dimension:	10,2*5,5 mm

Description	Code	Power	Max length of circuit*	Weight
<b>ISC 15</b>	029110001	15 W/m	180 m	0,100 kg/m
<b>ISC 20</b>	029120001	20 W/m	146 m	0,100 kg/m
<b>ISC 25</b>	029130001	25 W/m	124 m	0,100 kg/m
<b>ISC 33</b>	029140001	33 W/m	92 m	0,100 kg/m

Technical characteristics	Volt supply :	230 Vac
	Maximum temperature On:	85 °C
	Maximum temperature Off:	85 °C
	Minimum installation temperature	-40 °C
	External cover	Thermoplastic material
	Wire section:	1,1 mm <sup>2</sup>
	Minimum curvature radius:	35 mm
	Dimension:	10,5*5,9 mm

Description	Code	Height	Length	Weight
<b>Assembling kit</b>	028000000			0,010 kg
<b>Connection kit</b>	029000000			0,072 kg
<b>Shunting kit</b>	029000001			0,080 kg
<b>TAPE 25*</b>	020000003	25 mm	50 m	0,215 kg
<b>TAPE 50*</b>	020000004	50 mm	50 m	0,430 kg

\* Max length of heating circuit scaldante at 5 °C and 16 absorption  
For the connection look at page 102

Assembling kit



Connection kit



Shunting kit

