

## EUROSOLAR TWIN SPECIAL

<b>TYPE OF MATERIAL:</b>	Composite system consisting of two twinned tubes of corrugated stainless steel AISI 316 L, EUROBATEX AT insulation coated with a Red Brick coloured polymeric UV resistant film (Black colour on demand) and sensor cable
<b>PRODUCT RANGE:</b>	Tubes in coils in lengths of 10-15-20-25 m, big coils in lengths of 50-100-150 m in DN 16-20-25. Insulation thickness of 10 mm
<b>FIELDS OF APPLICATION:</b>	Production of heat-transfer fluid distribution systems in solar thermal applications or those that work with high temperature fluids (up to +150 °C in continuous operation). Suitable also for external applications
<b>DIMENSIONAL TOLERANCES:</b>	<b>Steel:</b> In accordance with the European Standard EN 10088-2. <b>Insulation:</b> In accordance with the European Standard EN 14304

### TECHNICAL SPECIFICATIONS OF THE CORRUGATED STAINLESS STEEL AISI 316 L TUBE

TYPE (DN)	THICKNESS (mm)	EXTERNAL DIAMETER (mm)
16	0,18	21,6 ± 0,25
20	0,18	26,6 ± 0,25
25	0,20	32,2 ± 0,30

### TECHNICAL SPECIFICATIONS OF THE INSULATION

PHYSICAL PROPERTIES	RESULT OBTAINED		TEST METHOD
<b>OPERATING TEMPERATURE RANGE</b>	-45 °C +150 °C		EN 14707
<b>THERMAL CONDUCTIVITY</b>	At a mean temperature of +40 °C	$\lambda \leq 0,042$ W/mk	EN ISO 8497
<b>FIRE PERFORMANCE</b>	European Standard Euroclass	E <sub>L</sub>	EN 13501-1
<b>OZONE RESISTANCE</b>	Excellent		ISO 7326
<b>UV RESISTANCE</b>	Excellent		UNI ISO 4892-2
<b>CORROSION RISK</b>	Meets test requirements		EN 13468

### TECHNICAL SPECIFICATIONS OF THE EXTERNAL COVERING

<b>TYPE</b>	LDPE film	
<b>COLOUR</b>	Red brick / Black	
<b>THICKNESS</b>	≈ 350 µm	
<b>ELONGATION AT BREAK (%)</b>	200 MD / 550 TD	ISO 527-3

### TECHNICAL SPECIFICATIONS OF THE SENSOR CABLE

<b>TYPE</b>	Silicon rubber (double thread)	
<b>OPERATING TEMPERATURE RANGE</b>	-60 °C +180 °C	
<b>SECTION</b>	1 mm <sup>2</sup>	EN ISO 12086
<b>NOMINAL TENSION</b>	Uo/U 300/350 V	