K-FLEX® TWIN SOLAR SYSTEM



K-FLEX® TWIN SOLAR SYSTEM

- Complete range of insulation products
- Fast & easy installation
- UV resistant
- Minimises heat loss

Site

UV RESISTANT

TECHNICAL DATA



K-FLEX® SOLAR R ▸ TECHNICAL DATA

Property	Value	Test method
Temperature range	from -40°C to +150°C	EN 14706 EN 14707
Thermal conductivity λ W/(m•K)	0°C = 0,040	EN ISO 8497
Fire rating	Euroclass E	EN 13501-1
UV Resistance	Good	EN 13859-1

K-FLEX® reserves the right to change data and technical requirements without notice.

K-FLEX® SOLAR R ▸ RANGE

	INSULATION THICKNESS	TUBE DIAMETER						
		12 MM	15 MM	18 MM	22 MM	28 MM	35 MM	LENGTH
K-FLEX® SOLAR R Roll	14 mm				•	•	•	
K-FLEX® SOLAR R Roll	20 mm		•	•	•	•	•	
K-FLEX® SOLAR R Standard carton	14 mm				•	•	•	2 m
K-FLEX® SOLAR R Standard carton	20 mm	•	•	•	•	•	•	2 m
K-FLEX® SOLAR R Half carton	14 mm				•	•	•	2 m
K-FLEX® SOLAR R Half carton	20 mm	•	•	•	•	•	•	2 m

GENERAL INFORMATION

The convenient solution for solar panels and industrial processes.

Recommended for solar panels and and low pressure steam or industrial process.

K-FLEX® SOLAR R is available in rolls, standard cartons, and half cartons.



TECHNICAL DATA



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ANULAR FLEXIBLE STAINLESS STEEL TUBE ▸ TECHNICAL DATA

Material: AISI 316 L

Ext.Ø (mm)	DN	Thickness (mm)	Max service pressure (bar)	Bend radius (mm)
21,3 ±0,2	16	0,18	16	25
26,4 ±0,2	20	0,18	10	30
31,8 ±0,4	25	0,20	10	35

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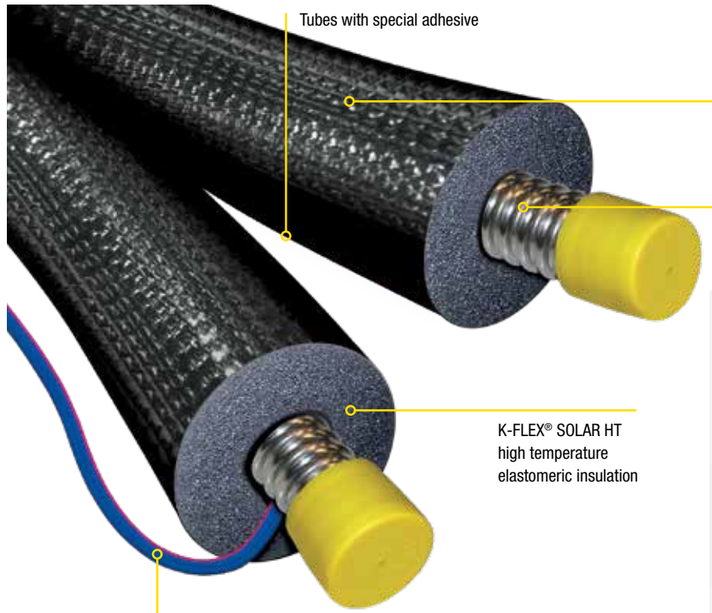
TEMPERATURE SENSOR WIRE ▸ TECHNICAL DATA

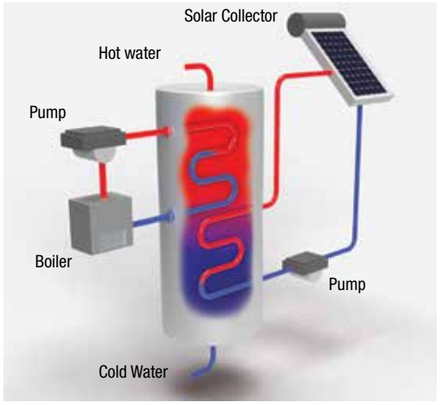
Property	Value
Temperature range	from -60°C to +200°C
Flexible Copper Ø 2x0.75 mm	CEI 20 - 19/15
Wire Insulation	Silicon Rubber
Rated Voltage	300/500 V
Electrical Resistance	26 Ohm/km

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GENERAL INFORMATION

K-FLEX® TWIN SOLAR SYSTEM Is a solar thermal insulation system which is resistant to high temperatures. It facilitates the connection of a hot water tank to a solar panel; it is designed to minimise heat loss and be resistant to chemicals and weather.



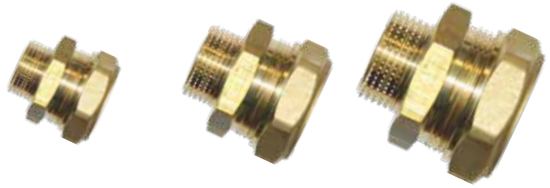


K-FLEX® TWIN SOLAR SYSTEM ▸ RANGE

	STEEL TUBES		INSULATIONS	TUBE LENGTH			
	O.D.	WALL THICKNESS	THICKNESS	10 M	15 M	20 M	25 M
K-FLEX® TWIN SOLAR SYSTEM DN16	21,3 ±0,2 mm 21,3 ±0,2 mm	0,18 mm 0,18 mm	14 mm 20 mm	• •	• •	• •	• •
K-FLEX® TWIN SOLAR SYSTEM DN20	26,4 ±0,2 mm 26,4 ±0,2 mm	0,18 mm 0,18 mm	14 mm 20 mm	• •	• •	• •	• •
K-FLEX® TWIN SOLAR SYSTEM DN25	31,8 ±0,4 mm 31,8 ±0,4 mm	0,20 mm 0,20 mm	14 mm 20 mm		• •	• •	• •

COMPRESSION QUICK COUPLING





DN 16 DN 20 DN 25

Quick assembly without the need for tools or special equipment.
Simple metal to metal seal.

Meets safety requirements and enhances performance
by eradicating assembly mistakes.



EXTERNAL THREAD COUPLING
External Thread 1/2“ DN16
External Thread 3/4“ DN16
External Thread 3/4“ DN20
External Thread 1“ DN20
External Thread 1 1/4“ DN25



DOUBLE COUPLING
Double Coupling system DN 16 - DN 16
Double Coupling system DN 20 - DN 20
Double Coupling system DN 25 - DN 25



INTERNAL THREAD COUPLING
Internal Thread 1/2“ DN16
Internal Thread 3/4“ DN16
Internal Thread 3/4“ DN20
Internal Thread 1“ DN20



STRAIGHT FITTING
DN 16 - Straight fitting Ø 22 mm
DN 20 - Straight fitting Ø 22 mm
DN 25 - Straight fitting Ø 22 mm
DN 16 - Straight fitting Ø 18 mm
DN 20 - Straight fitting Ø 18 mm
DN 25 - Straight fitting Ø 18 mm



COUPLING WITH CU CLAMPING RING
Connection system Steel DN 16 Copper Ø 15 mm
Connection system Steel DN 16 Copper Ø 18 / 22 mm*
Connection system Steel DN 20 Copper Ø 18 / 22 mm*
Connection system Steel DN 25 Copper Ø 18 / 22 mm*
* Copper connection Ø 18 or 22 mm



OLIVE
Olive for compression coupling DN 16
Olive for compression coupling DN 20
Olive for compression coupling DN 25

ACCESSORIES



Flange Tool



Tube Clamp



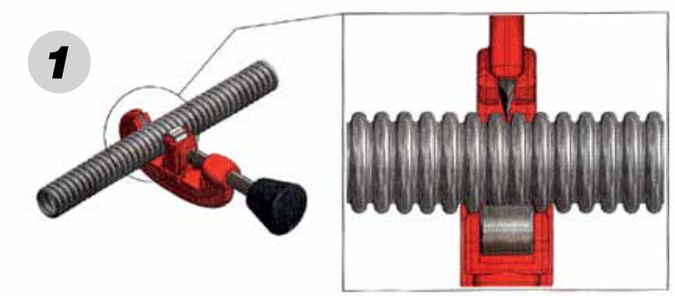
Nipple, Nut, Split Ring and Gasket



Oval Pipe Support

COMPRESSION QUICK COUPLING - ASSEMBLING

Place the blade in the groove perpendicularly the pipe.

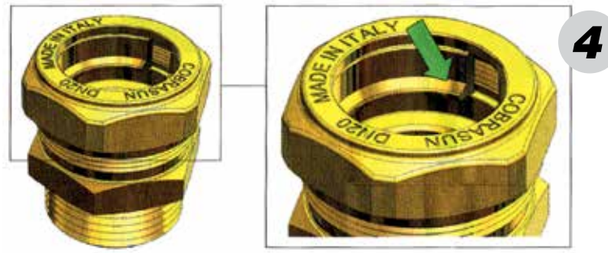




The cut must be clean and
without burrs.



Do not disassemble the fitting: should this accidentally occur,
the fool of the inner ring must be rested on the fitting body.



Manually loosen the bolt by approximately ½ rev, unless it is not already loose (fig.5)
Push the pipe into the fitting until the “CLACK” sounds (fig. 6).



