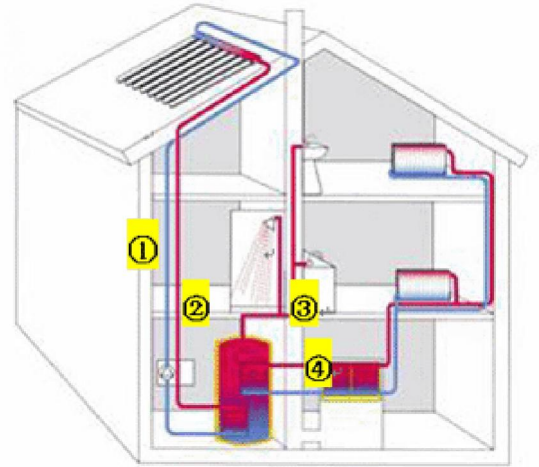


# GD-FLEX Solar Hose

Pre insulated solar hose for solar heating systems

Golden Century Technology CO., LTD

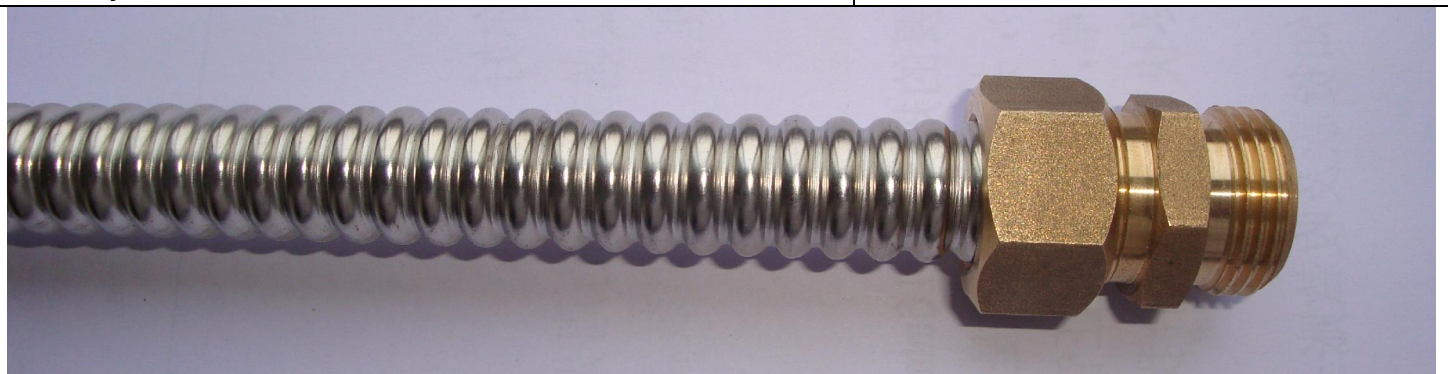
WWW.GD-FLEX.COM



- | Smart & Patent Design, allowing them to be easily separated and zipped up with Zipper at both ends of Twin solar hose
- | Flexible high-grade stainless steel tube SUS316L
- | PVC FREE EPDM insulation pipe, up to 175 °C (347 °F) operating intermittent.
- | UV resistant and high mechanical resistant protective film.
- | Easy connection, Save both time and labor cost

## Flexible Stainless Steel Tube

- | No Soldering Joints
- | UP to 50m per roll
- | Low cost tool to make flange
- | Guarantee seal
- | Test pressure 17.5 bar



# Flexible Stainless Steel Tube



**No Soldering Joints**

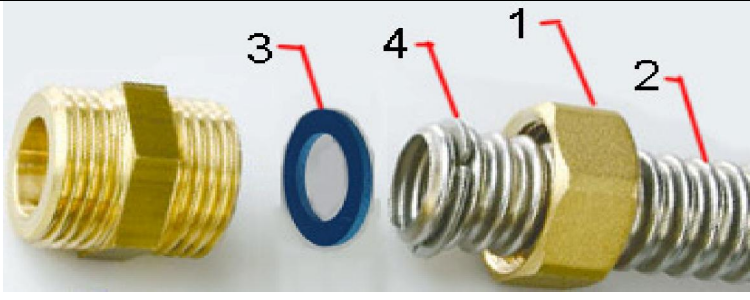
**UP to 50m per roll**

**Guarantee seal**

**Test pressure 17.5 bar**

## Available dimensions

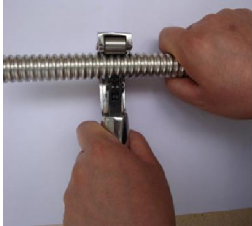
1/2"	1/2"	1/2"	1/2"	1/2"
DN 15	DN 15	DN 15	DN 15	DN 15



## Assembly Item & Material

- 1、 Nut ( Brass )
- 2、 SS-Tube ( SUS316L or SUS304 )
- 3、 Gasket( 350 resistance seal)
- 4、 Cir-Clip(Stainless Steel)

## Installation Steps: Make up a hose by hand on site in two minutes!



**Step1:** Cut the hose to your desired length with cutter



**Step2:** Put a fitting onto the solar hose, put one end into flange tool



**Step3:** Use a hammer to flatten the end of the hose



**Step4:** squeeze on the Solar hose stainless steel Circlip on



**Step5**



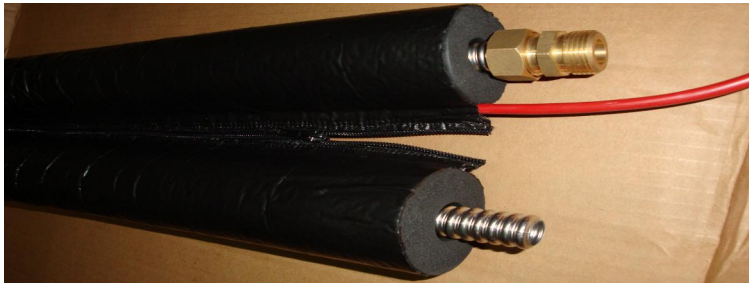
**Step6**

## Dimension and Performance

DN	ID mm	OD mm	mm	Weight g/m	Meters per Coil	Bending Radius mm	Maximum Applicable Pressure kgf/cm <sup>2</sup>
DN15	12.5	16	0.3	153	50	40	17.5
DN20	15.7	20.2	0.3	178	50	50	17.5
DN25	19.7	25	0.3	257	50	80	17.5
DN32	26.5	32	0.3	320	50	150	17.5



# Pre insulated solar hose



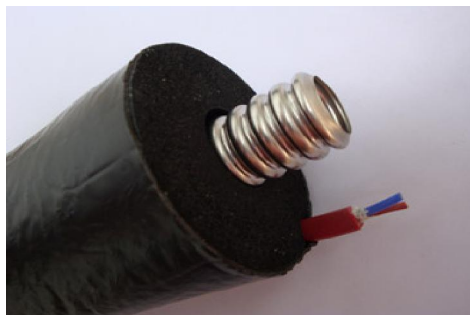
## INSULATION

Material	High quality synthetic elastomer (EPDM based) with a complete closed-cell structure.
Temperature range	from -50 to +175
Flammability :actual burning behavior	DIN 4102-B2 self-extinguishing, no fireball drops, limited fire spreading
Water Vapour permeability	$\mu > 3000$
Thermal Conductivity W/(m.K)	0 : 0.034 ; 24°C : 0.037 ; 32°C : 0.038 ; 40°C : 0.039



## JACKETING

Material	Water Proof polyolefin copolymer foil
UV Resistance	Excellent UV and weather resistant properties



## TEMPERATURE SENSOR WIRE

Temperature Range	from -50 to +200
Flexible Copper	0.75mm <sup>2</sup>
Wire Insulation	Silicon
Rated Voltage	300/500 V
Electric Resistance	25.0 Ohm/km

## GD-FLEX Twin pre insulated solar hose Performance Data

DN	Insulation Pipe			SS-tube		Supplied lengths (M)	with/without control cable	Pressure(bar)
	Material	Thickness (mm)	Temp	Material	Thickness (mm)			
DN 15	EPDM	13	-50 ~ 150	SUS316L /304	0.3	5/10/15/20 /25	2-wire silicone cable	17.5
DN 20	EPDM	20	-50 ~ 150	SUS316L /304	0.3	5/10/15/20 /25	2-wire silicone cable	17.5
DN 25	EPDM	20	-50 ~ 150	SUS316L /304	0.3	5/10/15/20 /25	2-wire silicone cable	17.5

# Packaging And Price Terms

## Price Terms

Price Terms	FOB, CIF	Brand Name	GD-FLEX™
Payment Terms	T/T, L/C	Minimum Order	1000 m
Supply Ability	200,000m/month	Delivery Time	21 days

## Packaging

	Coil (m)	Cartons (Coil)	Carton Size (mm)	Pallet (Carton)	20"container (m)	40"container (m)
SS-tube	50	2	530*530*320	12	26400	52800
single tube in coils form	15	1	620*620*420	10	2430	5130
Twin tubes in coils form	5x2	2	620*620*420	10	1620*2	3420*2
	10x2	1	620*620*420	10	1620*2	3420*2
	15x2	1	720*720*550	12	1440*2	2880*2
	20x2	1	720*720*650	9	1440*2	2880*2
	25x2	1			1800*2	3600*2

Other special length can be reached per customer's require. The maximum coil length of stainless steel tube is 50 meters. The maximum coil length of pre-insulated solar hose is 25meters.

## Golden Century Technology CO., LTD

### GD-FLEX™ solar hose

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