

NANO TECHNOLOGY FOR SOLAR SYSTEMS

NANOFLEX

Nano-flex hose assembly is developed to be used in extremely high and low temperature levels. High-tech Aspen Aerogels insulation material provides easy, quick and reliable connection for solar thermal systems.

UP TO 350 °C

UP TO 100 METERS

$\lambda_{(0\text{ }^{\circ}\text{C})}$ VALUE: 0,015 W / m K

Insulation Thickness: 5 mm

CHOOSE YOUR COLOR!



Silicone Cable

Push-fit Quick Connection Fittings

Stainless Steel AISI 316L

Polyolefin Cap

BEST QUALITY

Separable UV resistant cover

- + Flexible metal hose: AISI 316L
- + UV resist cover
- + Silicon cable
- + Insulation thickness: 5 mm
- + Diameter: DN12 - DN16 - DN20 - DN25
- + Temperature resistance of hose: -270 °C / +600 °C
- + Temperature resistance of insulation: -40 °C / +650 °C



 **AYVAZ**

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ADVANTAGES

- Nano-flex is produced with one of the world's lightest insulation materials, developed by Aspen Aerogels.

Hi-tech insulation with low thermal conductivity (0.015 W/mK at 0 °C) is suitable for a wide temperature range, from -40 °C up to +650 °C.

- Low thickness of the insulation material (5 mm) reduces the external diameter of the hose and provides a relief on the transportation and the logistics area up to 66%.

- Easily separable compact design requires no additional pipe support during the installation. This shortens the installation time and makes it quicker and easier.

- The UV cover that is applied on the insulation, prevents the negative effects of the sun and protects the hose against birds and other hazardous species.

PRODUCT FEATURES

Hose
Parallel corrugated metal hose

Hose Material
Stainless Steel AISI 316L

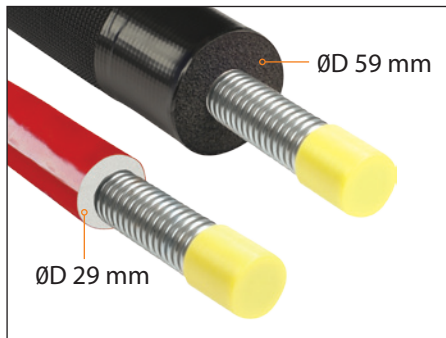
Cover
Separable UV resistant cover

Cable Material
Silicone Cable

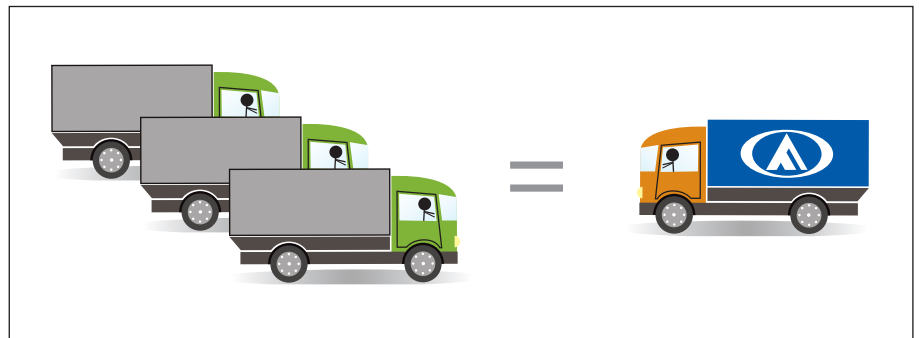
Insulation Material
Aspen Aerogels insulation

Insulation Thickness
5 mm

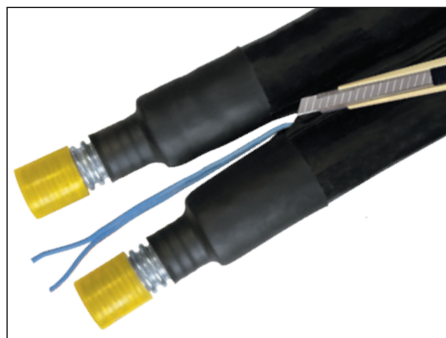
**MINIMUM THICKNESS
MAXIMUM EFFICIENCY**



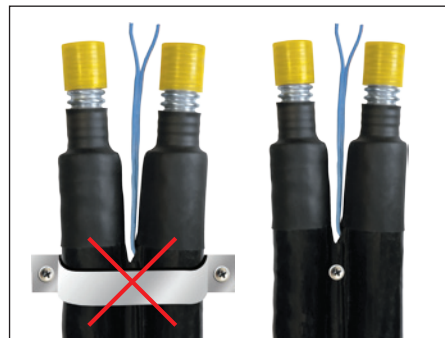
**PROVIDES A RELIEF ON THE TRANSPORTATION AND THE
LOGISTICS AREA UP TO 66%**



EASY SEPARABILITY



NO PIPE SUPPORT REQUIRED



**“PUSH-FIT” FITTINGS SYSTEM
FOR FLEXIBLE HOSE WITHOUT GASKET**

