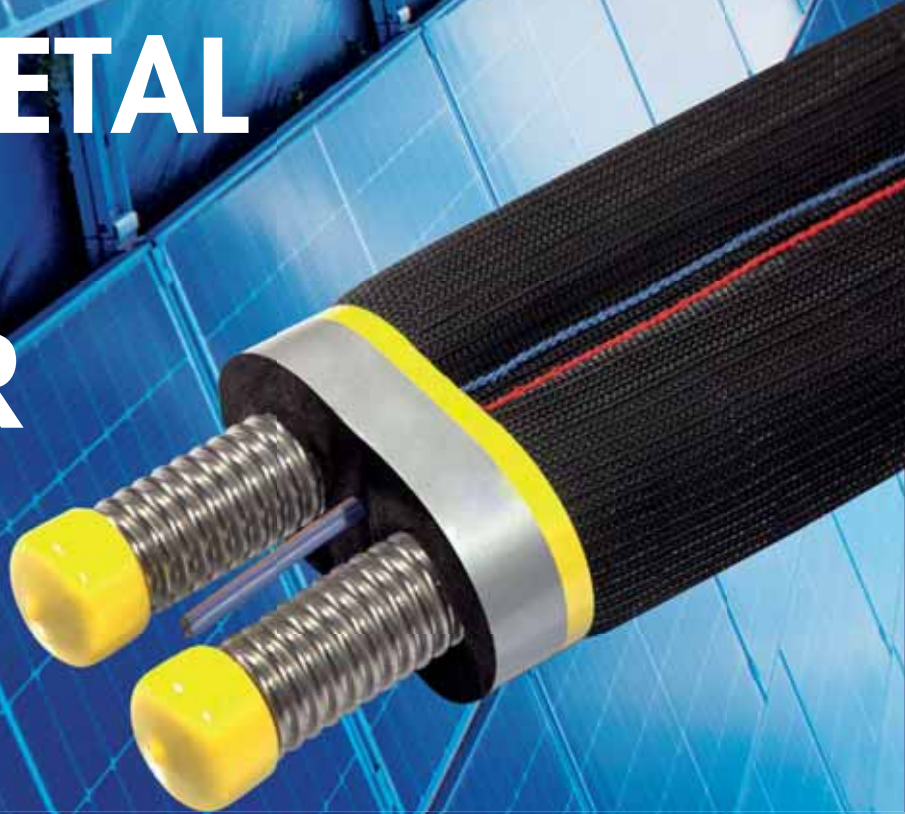


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QUALITY MAKES DIFFERENCE

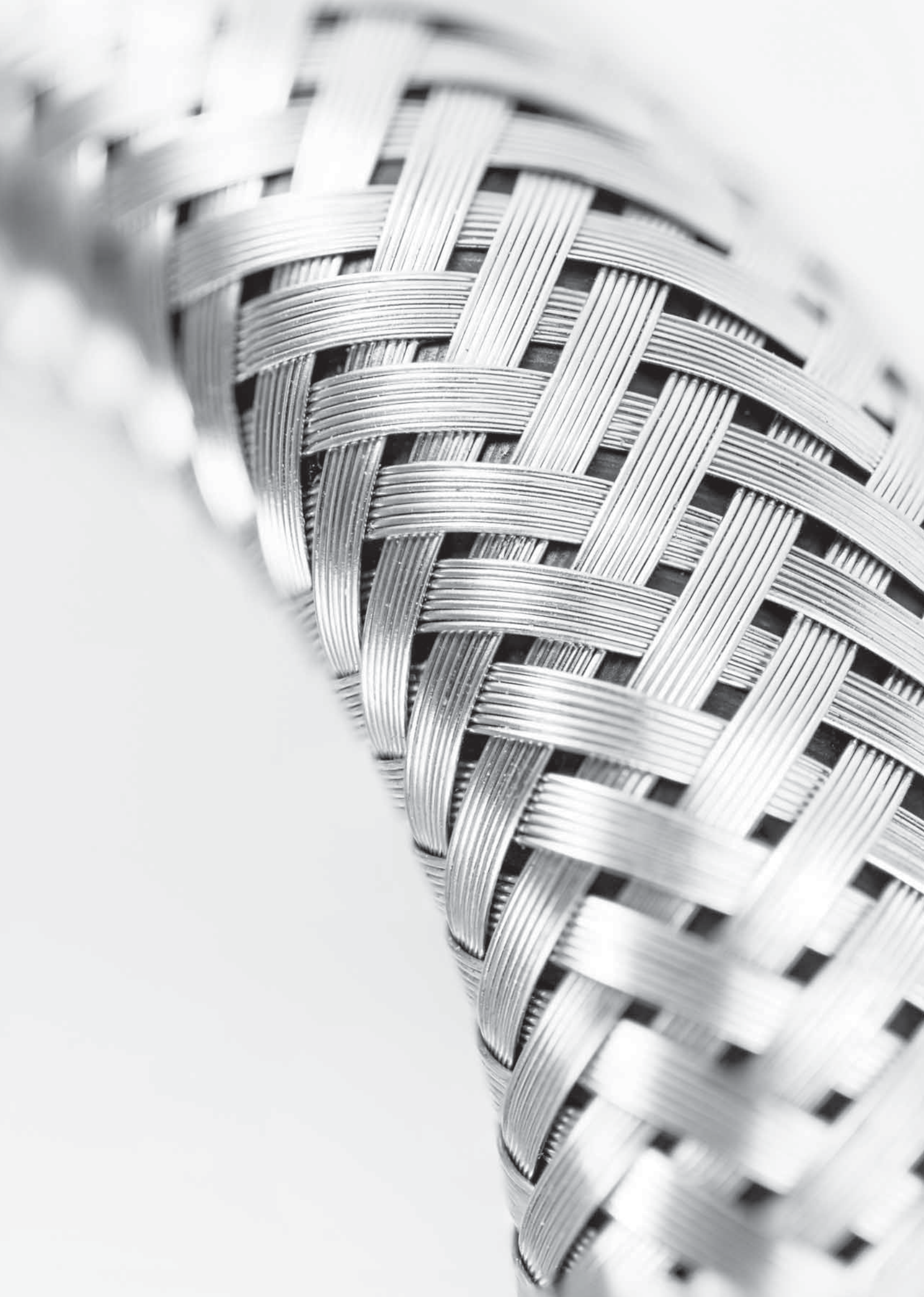
FLEXIBLE METAL HOSES FOR SOLAR ENERGY SYSTEMS



PRODUCT CATALOGUE



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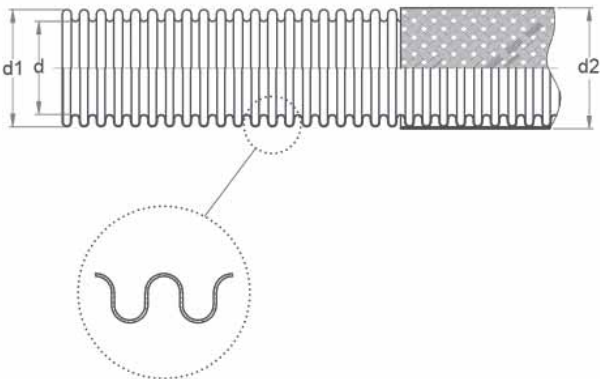
| ALL AROUND
THE WORLD



ABOUT US

Founded in 2006 and having a successful history, KAYSE A.Ş. has become one of the leading brands in Turkey and has been taking firm steps forward to become a global leader in its field. With its specialized engineer staff, KAYSE A.Ş. is engaged in the production of stainless steel flexible hoses, metal expansion joints, rubber expansion joints, omega loop expansion joints, sprinkler connection hoses, and level, flow, and temperature gauges and commercial activities for special valves. As well as the sectors it serves, it continues to grow with its new investments. Behind the success of KAYSE A.Ş. is the customer-oriented and productivity-focused management approach. This approach has been developing not only with material gains but also with the awareness of corporate citizenship that the whole society benefits and will benefit from. Within the framework of this awareness, it carries out various corporate social responsibility and sponsorship projects focusing especially on education, environment, culture & arts, and sports.

KAYSE A.Ş., which is aware of its responsibilities in all areas it supports, acts with a vision for being a pioneer and a guide for the society and contributes to the national economy and employment with its investments. It offers superior technology, high quality and dynamic human resources for its customers. KAYSE A.Ş. aims at boosting brand value not only in Turkey but also in the regional and global scale. It reveals its vision of becoming a regional leader, especially in the production sector. KAYSE always offers its products based on the principles of customer satisfaction and trust. As a result of this, it represents Turkey in the whole world by creating a prestigious brand on a global scale. The synergies with large global companies also contribute considerably to this process. Being one of the pioneers of change in Turkey, KAYSE adapts quickly to the changes in the world as a result of all this experience and network. It makes the best use of its wide production, knowledge, and cooperation network. KAYSE A.Ş. acts with the aim of increasing its investments both in Turkey and abroad. In line with this aim, it exports its world-class products to 62 countries by getting their international certificates. With its young and dynamic structure and new generation management approach, KAYSE A.Ş. has established strong collaborations with its international partners and looks forward to the future with confidence.



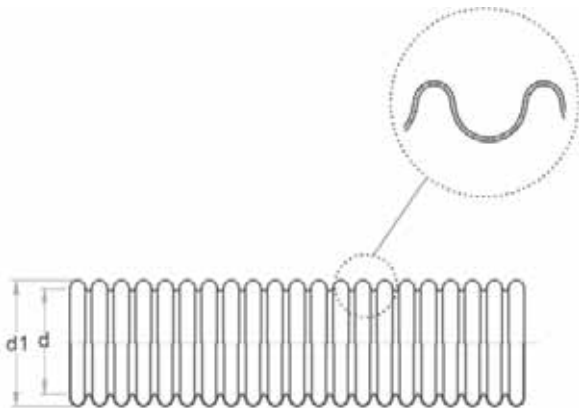
Standard Product Materials

Material	AISI 316L / AISI 304L Stainless Steel
Diameter	DN6 - DN50
Temperature	-270°C +600°C

STANDARD PITCH

Product Code	DN		Interior Dia. (mm)	Outer Dia. (mm)		Tolerance	Min. Bending Radius Static		Nominal Bending Radius Dynamic	Maximum Working Pressure at 20°C (bar)		Weight (kg/m)	
	mm	inch	d	d1	d2	d, d1, d2	UB	B	rn mm	UB	B	UB	B
KYS01	12	1/2"	12.20	16.35	17.80	±0,2	20	44	140	9	95	0.094	0.208
KYS01	16	5/8"	16.50	21.70	22.80	±0,2	27	58	155	7	90	0.165	0.310
KYS01	20	3/4"	20.50	26.95	28.50	±0,2	32	69	170	5	82	0.296	0.475
KYS01	25	1"	25.00	31.85	33.80	±0,3	40	84	190	4	62	0.030	0.550

UB: Unbraided B: Braided



Standard Product Materials

Material	AISI 316L / AISI 304L Stainless Steel
Diameter	DN6 - DN50
Temperature	-270°C +600°C

OPEN PITCH

Product Code	DN		Interior Dia. (mm)	Outer Dia. (mm)	Tolerance	Min. Bending Radius Static	Maximum Working Pressure at 20°C (bar)	Weight (kg/m)
	mm	inch	d	d1	d, d1	rmin mm	(bar)	
KYS02	12	1/2"	12.20	16.00	±0,4	20	21	0.076
KYS02	16	5/8"	16.50	21.50	±0,4	25	16	0.135
KYS02	20	3/4"	20.85	26.60	±0,4	30	10	0.218
KYS02	25	1"	25.50	31.80	±0,4	35	10	0.260

FITTINGS

Standard Product Materials	
Nut	Brass
Nipple	Brass
Segment	Stainless Steel
Gasket	Non Asbestos Klingerit Gasket



EASY AND QUICK INSTALLATION HOSES

QUICK FLEX HOSES

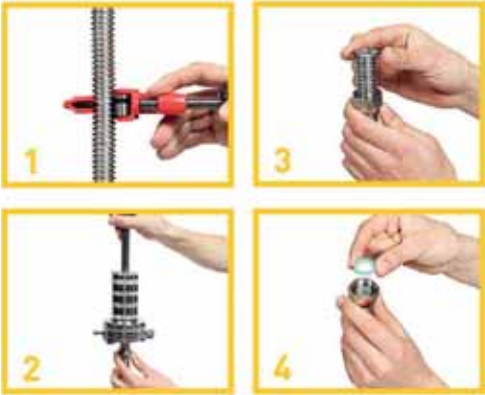


Standard Product Materials	
Hose	AISI 316 L / AISI304 L
Nut	Brass
Nipple	Brass
Segment	Stainless Steel
Gasket	Non Asbestos Klingerit Gasket



The installation can be realized by the following steps;

1. Cut the hose according to the requirement
2. Pass the nut over the hose. Crush the corrugation of the hose with a crushing tool enable to flatten the surface.
3. Fasten the suitable segment under the crushed corrugation
4. Then attach the gasket.



FLEXIBLE METAL HOSES FOR BOILER AND HEAT EXCHANGER

Boiler Hoses are suitable for solar boilers and any kind of water heat exchangers. These hoses provide higher heat transfer due to its wide surface area than standard hoses.



Standard Product Materials	
Material	AISI 316L Stainless Steel
Diameter	DN20 - DN40
Fitting	Outside - Inside Threaded Pipe
Temperature	-270°C +600°C

Product Code	DN		Interior Dia. (mm)	Outer Dia. (mm)	Tolerance	Min. Bending Radius Static	Maximum Working Pressure at 20°C (bar)	Surface (m²/m)	Volume (l/m)	Weight (kg/m)
	mm	inch	d	d1	d, d1	rmin mm				
KYS03	12	1/2"	12.20	16.00	±0,4	30	10	0.0838	0.5590	0.320
KYS03	16	5/8"	16.50	21.50	±0,4	35	10	0.0991	0.7817	0.425
KYS03	20	3/4"	20.85	26.60	±0,4	40	10	0.1273	1.2914	0.550
KYS03	25	1"	25.50	31.80	±0,4	50	10	0.1567	1.9556	0.860

FLEXIBLE METAL HOSES FOR SOLAR PANEL CONNECTIONS



Standard Product Materials	
Material	AISI 316L 7 AISI 304L Stainless Steel
Diameter	DN12 - DN16 - DN20 - DN25
Fittings Material	Outside - Inside Threaded Pipe
Fittings Type	Female x Female / Male x Male
Temperature	-270°C +600°C

EPDM Insulation Pipe

- High quality synthetic elastomer (EPDM) based with a complete closed cell structure.
- Excellent UV resistance
- CFC and PVC free
- Up to 150°C operating (up to 175°C operating intermitant)
- Flexibility in -40°C conditions
- Lambda value of 0.040 at +40°C
- Self extinguishing
- Thickness: 13mm.

Stainless Steel Corrugated Hose

- Hose Material: AISI 316L / DIN 1.4404 STAINLESS STEEL
- Size Range: DN16 -DN20 -DN25
- Fittings Material: Brass

Jacketing

- UV Resistant Monofilament Yarn Braiding

Temperature Sensor Cable

- Wire :Copper
- Insulation:Silicon Rubber
- Temperature: +200°C

Lengths :

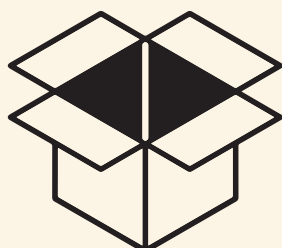
10 -15 - 20 - 25 - 50 mtrs.

Carton Box Dimensions :

H: 20 - 30 - 45 - 55 - 70 cm

W: 80 cm

L: 80 cm





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