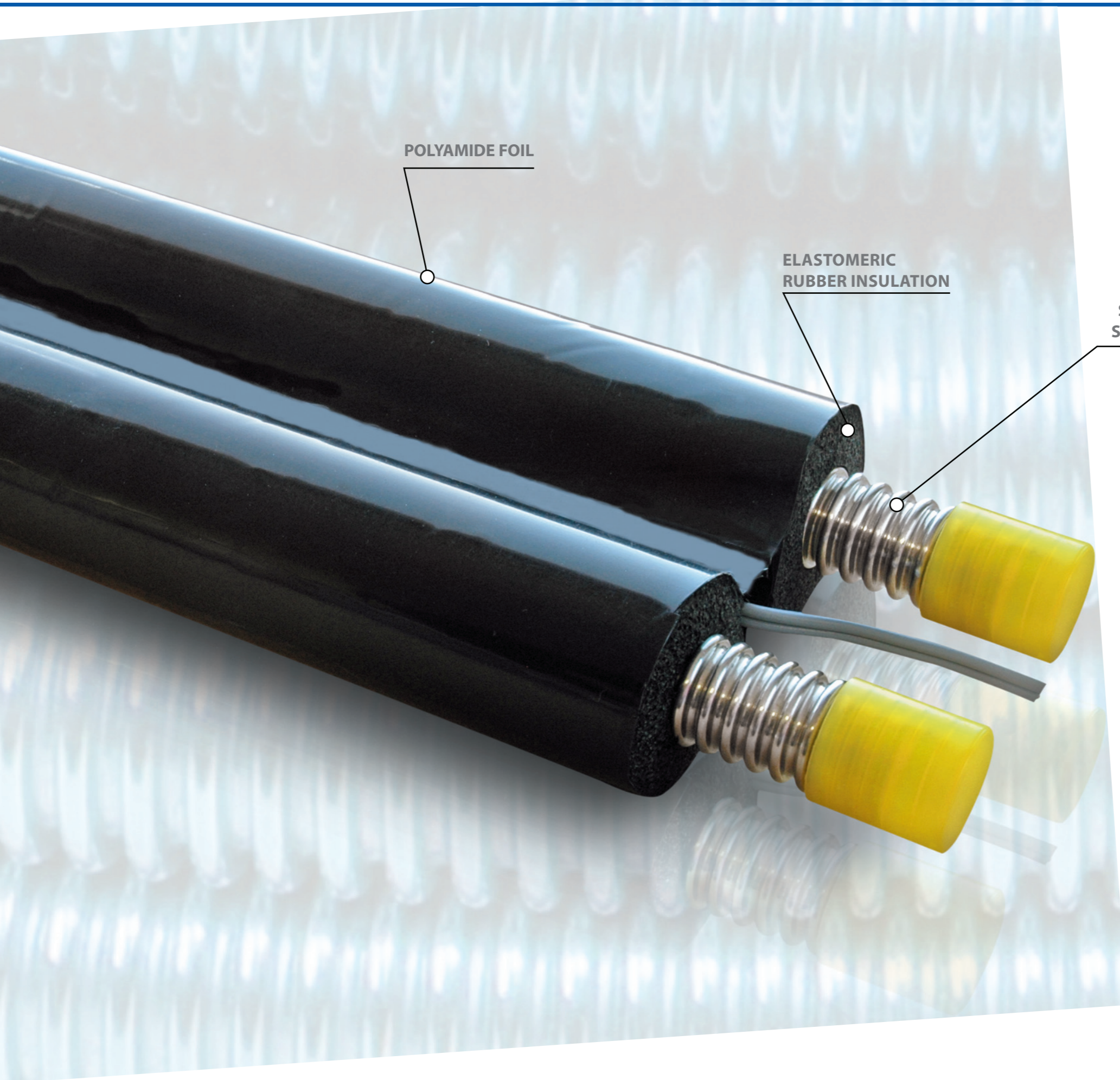


# SOLAR HOSE SPECIFICATIONS



POLYAMIDE FOIL

ELASTOMERIC  
RUBBER INSULATION

STAINLESS  
STEEL HOSE

# NON-BRAIDED INDUSTRIAL METAL HOSES

## APPLICATION AREAS

Heating, Air Conditioning and ventilization applications  
 Chemical and petrochemical plants  
 Oil and gas processing  
 Ship building and drilling  
 Food processing

## GENERAL HOSE FEATURES

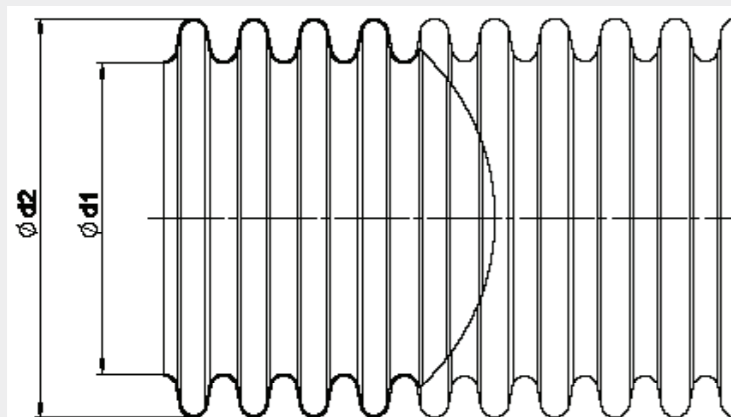
Hose Type : Open pitch corrugated metal hose. acc.to DIN EN ISO 10380  
 Hose Material : Stainless Steel AISI 316L  
 AISI 304, 321 also available upon request  
 Temperature Range : Min. -270 °C up to max. 600 °C

## CORRUGATION SPECIFICATIONS



**Open Pitch Corrugated Flexible Metal Hose (AGA)**

## OPEN PITCH CORRUGATED FLEXIBLE METAL HOSE (AGA)



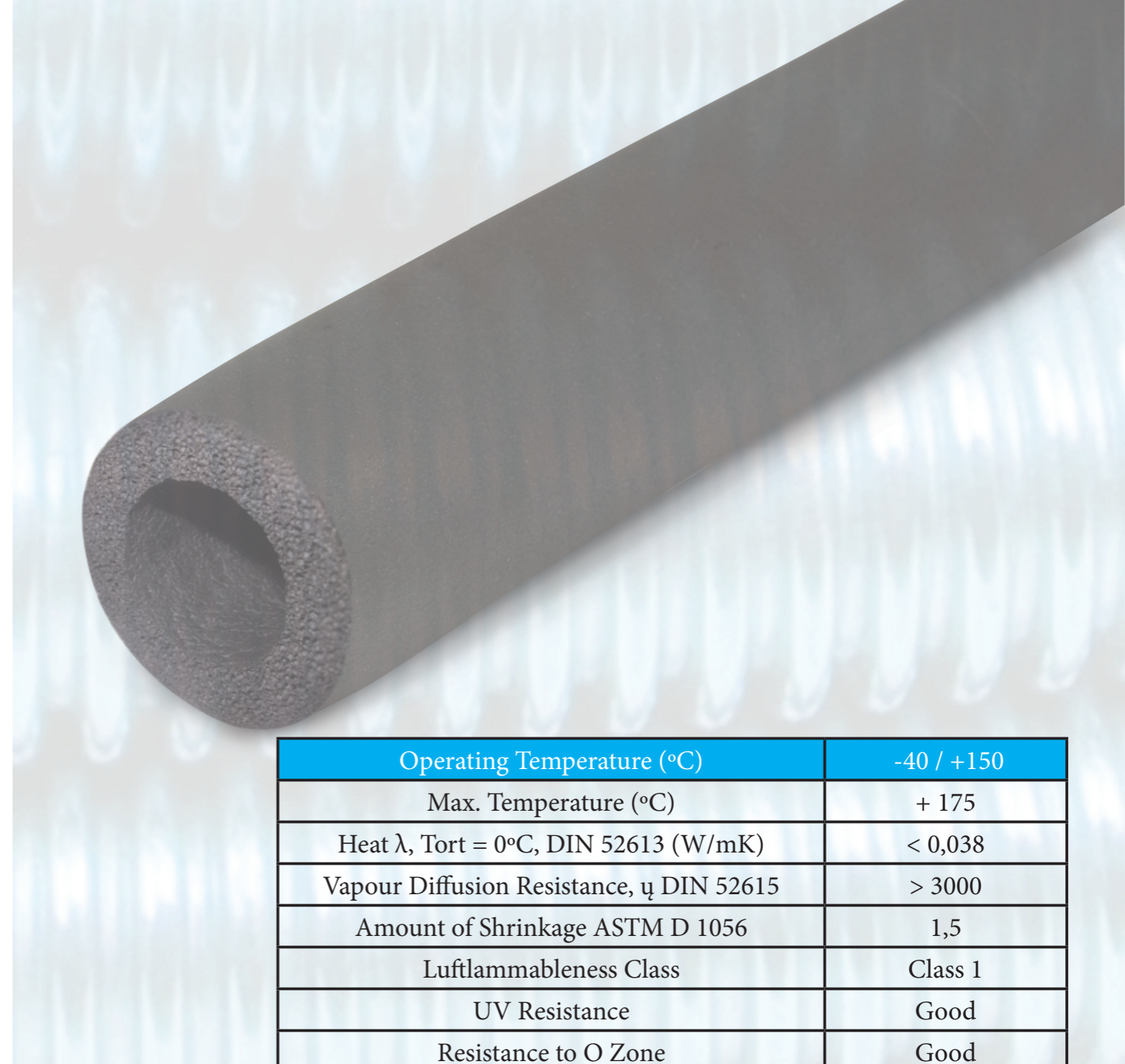
DN	Ød1 Internal Diameter(mm)	Ød2 External Diameter(mm)	Tolerance ± mm	Wall Thickness (mm)	Bending Radius		PN bar	Corrugation Type	Surface Area
					rmin (mm)	rn (mm)			
12	11,85	15,85	0,2	0,15	20	140	0-10	Open Pitch	0,070m <sup>2</sup>
16	16,5	21,35	0,2	0,18	25	195		Open Pitch	0,091m <sup>2</sup>
20	21,0	26,6	0,2	0,18	30	225		Open Pitch	0,116m <sup>2</sup>
25	25,3	31,7	0,3	0,2	35	260	0-8	Open Pitch	0,151m <sup>2</sup>
32	32,4	39,9	0,3	0,3	40	300	0-6	Open Pitch	0,197m <sup>2</sup>

# INSULATION

## APPLICATION AREAS

- Hot & Cold Water Systems
- Cooling Systems
- Heating Systems
- Multisplit & Split Plants

ID (mm)	COPPER (inch)	S.STEEL (inch)	WALL THICKNESS			
			6 mm	9 mm	13 mm	19 mm
6	1/4"		+	+	+	
8	5/16"		+	+	+	
10	3/8"	1/8"	+	+	+	+
12	1/2"		+	+	+	+
15/16	5/8"	1/4"	+	+	+	+
18/19	3/4"	3/8"	+	+	+	+
20			+	+	+	+
22	7/8"	1/2"	+	+	+	+
25	1"		+	+	+	+
28	1 1/8"	3/4"	+	+	+	+
35	1 3/8"	1"	+	+	+	+
42	1 5/8"	1 1/4"	+	+	+	+
48		1 1/2"		+	+	+
54	2 1/8"			+	+	+
60	2 3/8"	2"		+	+	+
64	2 1/2"			+	+	+
70	2 5/8"			+	+	+
76	3"	2 1/2"		+	+	+
80	3 1/8"			+	+	+
89	3 1/2"	3"		+	+	+
102		3 1/2"		+	+	+
108	4 1/4"			+	+	+
114	4 1/2"	4"		+	+	+



Operating Temperature (°C)	-40 / +150
Max. Temperature (°C)	+ 175
Heat λ, Tort = 0°C, DIN 52613 (W/mK)	< 0,038
Vapour Diffusion Resistance, $\mu$ DIN 52615	> 3000
Amount of Shrinkage ASTM D 1056	1,5
Luftflammableness Class	Class 1
UV Resistance	Good
Resistance to O Zone	Good
Grease Resistance	Good
Weather Resistance	Good
Flexibility	V. Good
Smell	Negligible
Fungus	No

## PROTECTIVE FOIL

### Colour

Standard braiding colour is black. Different coloured may be produced on request.

### Operating Temperature

55 °C – 180 °C (heat stabilized) Melting Point is 255 °C

### Features

- High flexibility
- Ultra lightness
- High rupture strength
- Non-flammable
- Easy assemblage
- Wet-proof
- PVC-free design
- Highly UV and ozone resistant foil wrap

### Applications

- High mechanical protection required applications
- Cable protection
- Machine and robot industries
- Insulation surface protection

