

Nitinol (Ni-Ti) Flat Wires

2E-GISI-26-01

TOKUSEN KOGYO, as a specialized manufacturer of specialty metal wires, has supplied components for medical devices for over 20 years and produces over 1 million meters of stainless steel flat wires per month for Medical Catheters and Guidewires.

At this time, we are offering Flat Wire using materials from Furukawa Techno Material. With our extensive experience in precision machining technology, it is capable of providing high-quality thin flat Nitinol wires with superelasticity and mechanical properties that meet customer requirements.

Flat wire by

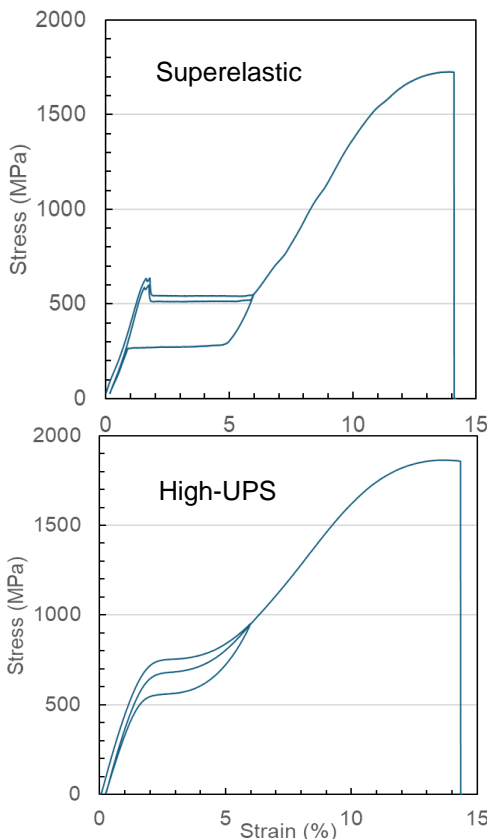


Typical Dimensions

X (inches)	Y (inches)	X (mm)	Y (mm)	Surface
0.0008 ± 0.0002	0.0030 ± 0.0003	0.0203 ± 0.0051	0.0762 ± 0.0076	Thinoxide
0.0010 ± 0.0002	0.0030 ± 0.0003	0.0254 ± 0.0051	0.0762 ± 0.0076	
0.0015 ± 0.0002	0.0030 ± 0.0003	0.0381 ± 0.0051	0.0762 ± 0.0076	

Mechanical Properties & others

Condition	Upper Plateau Stress at 3%		PS after 6%	Tensile strength		Elongation
	(MPa)	(Kpsi)	(%)	(MPa)	(Kpsi)	(%)
As-drawn	-	-	-	1450 ~	211 ~	> 4
Superelastic	450 ~ 650	65 ~ 94	< 0.5	1250 ~	182 ~	> 10
High-UPS	550 ~	80 ~	< 0.5	1250 ~	182 ~	> 10

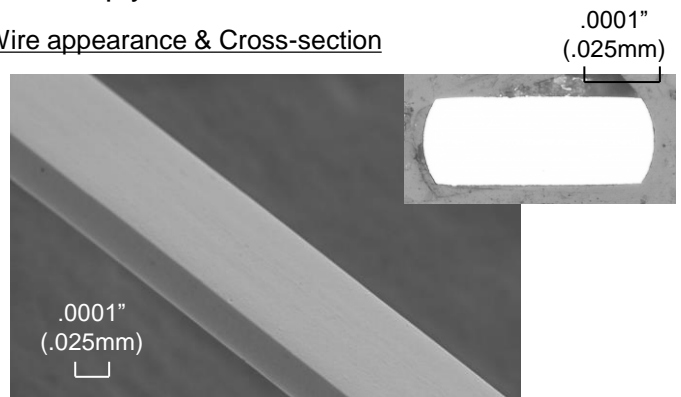


Material by



- NT-N wire
- Ni-Ti binary alloy
- Ingot Af (DSC) : +0 +/-10°C
- Comply with ASTM F2063-18

Wire appearance & Cross-section



Web: <http://www.tokusen.co.jp/en/index.html>

Contact: tenko.kono@furukawaelectric.com

