

NT-TTR wire for Compact Actuator

NT-M3-TTR & NT-H7-TTR wires

Furukawa Techno Material
2E-GS-1504-3

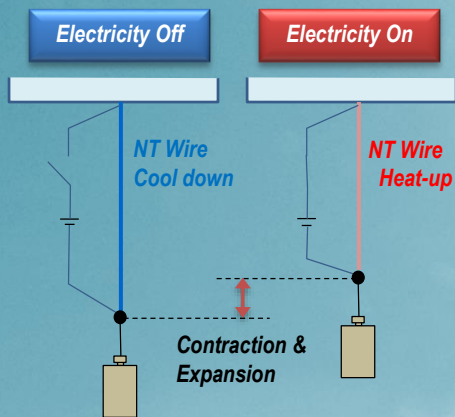
For miniaturizing and cost down your actuators

Nitinol (Shape memory) wire can offer;

- Easy actuation - just apply electric current
⇒ Makes your system small, light, simple, and cost effective
- Actuation power & speed are both controllable via the level of electric current
- Lightweight but high output
- Silent and smooth actuation

2 types of alloys (M3/NiTi and H7/NiTiCu) available based on our melting technology.

*Patent : JPN3956613



Product#	Alloy	Wire dia. (μm (inch))	Resistance at RT (Ω/m)	Min. current to actuate at RT (mA)	Actuation time at RT		Max. pulling force (gf (MPa))	Max. actual strain (%)
					Heating (sec)	Cooling (sec)		
NT-M3-TTR	Ni-Ti	50 (0.0020)	400	110	0.3	0.7	60 (300)	~5
		100 (0.0039)	100	300	0.6	2.5	200 (250)	
		200 (0.0078)	25	700	1.5	7.0	640 (200)	
NT-H7-TTR	Ni-Ti-Cu	50 (0.0020)	550	90	0.5	1.0	80 (400)	~5
		100 (0.0039)	140	200	1.0	3.0	280 (350)	
		200 (0.0078)	35	500	2.5	9.0	960 (300)	

