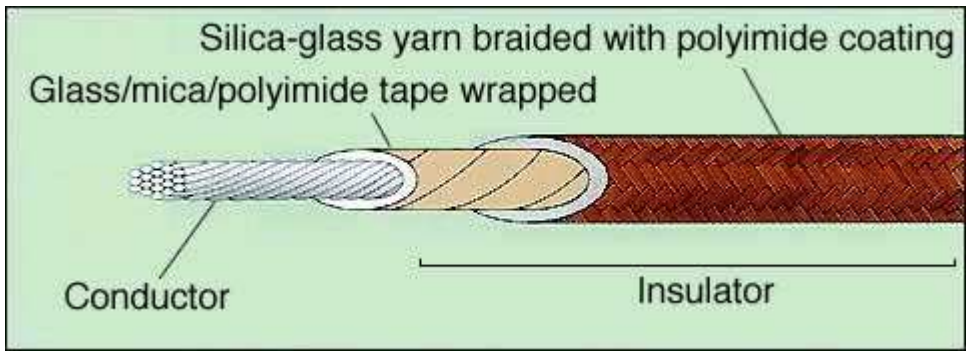
Silica-glass insulated nickel-conductor heat-resistant wires (TM450)

Silica-glass insulated nickel-conductor heat-resistant wire (TM450) is made of nickel wires which are highly resistant to heat and corrosion, wrapped with glass-mica-polyimide tape and coated with silica-glass fiber. Maximum operation temperature of this series is 400℃ for continuous use.



Construction	
Conductor	Basically conductor is a stranded wire made of several nickel elemental wires which correspond with JIS C 2532 (Electrical resistance wires, ribbons, and sheets for general use). Construction of the conductor is shown in below table.
Insulator	Conductor is double wrapped with glass-mica tape, braided with silica-glass fiber, and baked with polyimide coating on the surface to make an insulator.
Color	The standard color is dark brown of the polyimide coating. The color may vary (darker) depending on the baking temperature.
Application	Being deasbestos wires, used as lead wires of electric heaters or wirings in high-temperature equipments where, especially high resistance to heat is required.

table

Parts No.	Conductor			Taping thickness	Braind shielding thickness	Finished OD	Conductor resistance	Insulation resistance	Test voltage (AC 1 min.)
	Sectional area mom.	Construction No. of wires/Dia. of elemental wire	OD						
	mm2	No. of wires/mm	mm	mm	mm	mm	Ω/Km	MΩ・Km	V
8451NM00N	0.75	30/0.18	1.1	0.25	0.6	2.8	126.8	10	1,500
8551NM00N	1.25	50/0.18	1.5	0.25	0.7	3.4	76.0	10	1,500
8651NM00N	2.0	37/0.26	1.8	0.25	0.7	3.7	49.3	10	1,500
5651NM00N	3.5	66/0.26	2.4	0.25	0.7	4.3	27.7	10	1,500
8851NM00N	5.5	35/0.45	3.1	0.25	0.8	5.2	17.6	10	1,500
8951NM00N	8	50/0.45	3.7	0.25	0.8	5.8	12.3	10	1,500
9051NM00N	14	88/0.45	4.9	0.25	0.8	7.0	7.0	10	1,500
9151NM00N	22	7/20/0.45	7.0	0.25	0.8	9.1	4.4	10	1,500