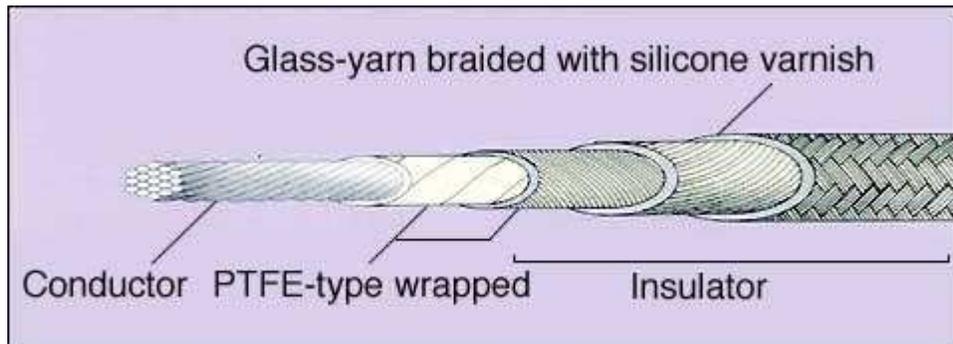


PTFE-tape wrapped and glass-insulated heat-resistant wires (TFGB)

PTFE-tape wrapped and glass-insulated heat-resistant wire (TFGB) is made of tin-coated annealed copper wires coated with PTFE tape and glass fiber. Maximum operating temperature of this series is 180°C.



Construction

Conductor	Basically conductor is a stranded wire made of several tin-coated annealed copper elemental wires which correspond with JIS C 3152 (Tin-coated annealed copper wires). Construction of the conductor is shown in below table. Nickel-coated annealed copper wire or nickel wire also can be a conductor.
Insulator	Conductor is double wrapped with PTFE tape, served with glass evenly, braided with glass-yarn, and baked with heat-resistant varnish on the surface to make an insulator. If nominal sectional area of the conductor is 8.0 Sq. or more, it is double braided with grass-yarn instead of having the serving process.
Color	The standardized color is white. Black, red, green, yellow, brown and blue are also available.
Application	Widely used as leading wires or heat-resistant wires of electric heaters etc.

table

Parts No.	Conductor			Taping thickness	Served-wire shielding 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							
	mm ²	No. of wires/mm	mm							
8351FG00N	0.5	20/0.18	1.0	0.05	0.15	0.3	2.0	38.6	10	1,500
8451FG00N	0.75	30/0.18	1.1	0.05	0.15	0.3	2.1	25.8	10	1,500
8551FG00N	1.25	50/0.18	1.5	0.05	0.15	0.35	2.6	15.5	10	1,500
8651FG00N	2.0	37/0.26	1.8	0.05	0.15	0.35	2.9	9.91	10	1,500
5651FG00N	3.5	66/0.26	2.4	0.05	0.15	0.35	3.6	5.38	10	1,500
8851FG00N	5.5	35/0.45	3.1	0.05	0.15	0.35	4.2	3.46	10	1,500
8951FG00N	8	50/0.45	3.7	0.05	-	0.6	5.0	2.45	10	1,500
9051FG00N	14	88/0.45	4.9	0.05	-	0.6	6.2	1.39	10	1,500