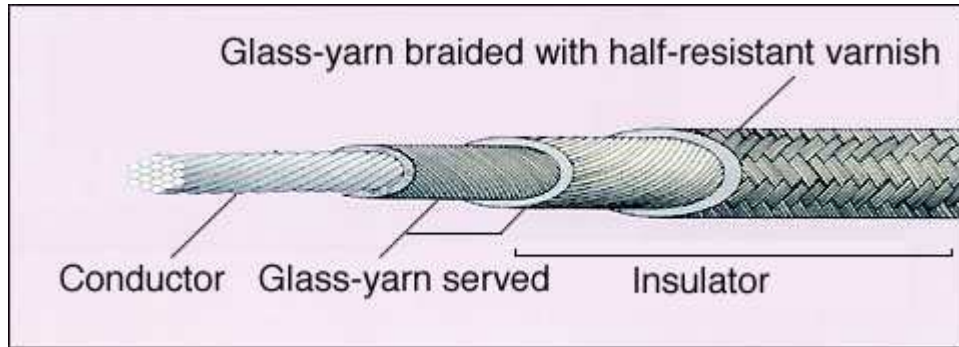


Heat-resistant glass wires (GB)

Heat-resistant glass wire (GB) made of heat-resistant tin-coated wires and covered with 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 silver-coated annealed copper wire also can be a conductor. |
| Insulator | Conductor is double 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 | Color identification is made by coloring heat-resistant varnish. The standardized color is white. Black, red, green, yellow, brown and blue are also available. |
| Application | Widely used in various areas as low-cost heat-resistant wires. Examples: lead wirings in electric heaters and wirings in other high-temperature equipments. |

| table | | | | | | | | | |
|-----------|---------------------|--|-----|---------------------------------|-----------------------------|-------------|----------------------|-----------------------|--------------------------|
| Parts No. | Conductor | | | Shaved-wire shielding thickness | Braided 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 | | | | | | |
| 8351GB00N | 0.5 | 20/0.18 | 1.0 | 0.15 | 0.3 | 1.9 | 38.7 | 1.0 | 600 |
| 8451GB00N | 0.75 | 30/0.18 | 1.1 | 0.15 | 0.3 | 2.0 | 25.8 | 1.0 | 600 |
| 8551GB00N | 1.25 | 50/0.18 | 1.5 | 0.15 | 0.35 | 2.5 | 15.5 | 1.0 | 600 |
| 8651GB00N | 2.0 | 37/0.26 | 1.8 | 0.15 | 0.35 | 2.8 | 9.91 | 1.0 | 600 |
| 5651GB00N | 3.5 | 66/0.26 | 2.4 | 0.15 | 0.35 | 3.4 | 5.38 | 1.0 | 600 |
| 8851GB00N | 5.5 | 35/0.45 | 3.1 | 0.15 | 0.35 | 4.1 | 3.46 | 1.0 | 600 |
| 8951GB00N | 8 | 50/0.45 | 3.7 | - | 0.6 | 4.9 | 2.45 | 1.0 | 600 |
| 9051GB00N | 14 | 88/0.45 | 4.9 | - | 0.6 | 6.1 | 1.39 | 1.0 | 600 |
| 9151GB00N | 22 | 140/0.45 | 7.0 | - | 0.6 | 8.2 | 0.892 | 1.0 | 600 |