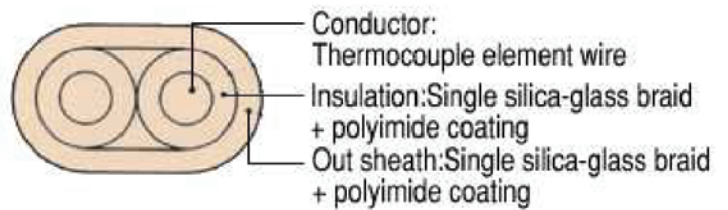
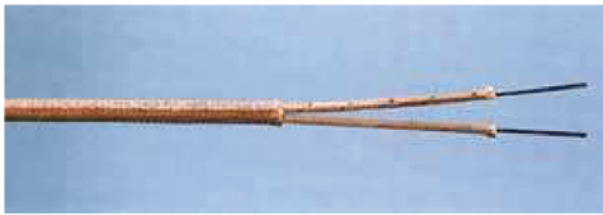


Silica-glass duplex-insulated K type thermocouple wires (K-SLGB)

Duplex-insulated thermocouple wires insulated and sheathed with silica-glass fiber.

Maximum operating temperature under normal condition is 400°C, and short-time maximum operating temperature under overheating condition is 600°C (500°C when diameter of conductor is 0.32 mm). This series has excellent heat-resistance, electrical insulation resistance, and flexibility. The strength of the wire does not weakened so much up to maximum operating temperature of thermocouple elemental wire (under normal condition). Color of polyimide coating is natural-colored dark brown.

Identification is made by spiraled stripes on the surface appeared after yarning a colored thread, which is described in the Standards Table, together with braiding glass.



Parts No.	Conductor		Insulation		Parts OD	Sheath thickness	Finished OD	Conductor resistance	Color		
	OD	Thickness	OD	Insulation					Sheath		
	mm	mm	mm	+						-	
0.32 x1P K-SLGB	0.32	0.3	0.9	0.9x1.8	0.3	1.6x2.3	12.1	Natural + Black lines	Natural	Natural	
0.65 x1P K-SLGB	0.65	0.35	1.35	1.35x2.7	0.4	2.3x3.4	2.95	Natural + Black lines	Natural	Natural	
1.0 x1P K-SLGB	1.0	0.4	1.8	1.8x3.6	0.4	2.7x4.3	1.25	Natural + Black lines	Natural	Natural	

●Stainless-yarn braided type, K-SL GB-SOS is also well-received, because of its reinforced outer sheath and blockage of electrical interruption. Outer diameter of this type can be determined by adding 0.6 mm to outer diameter of ordinary types shown in above table.

Characteristics of K-SLGB

After heated to about 400°C, its strength and flexibility are unchanged. It retains excellent electrical insulation under high temperature.