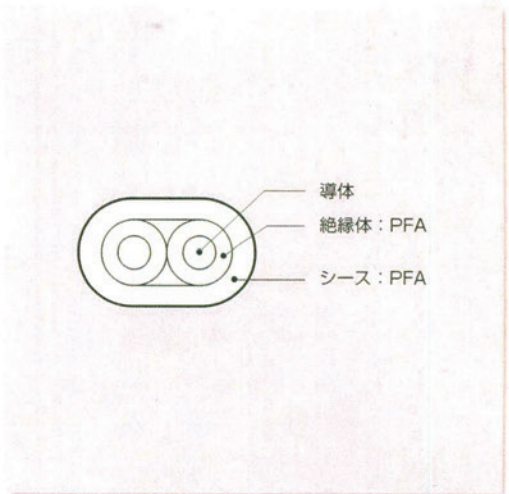
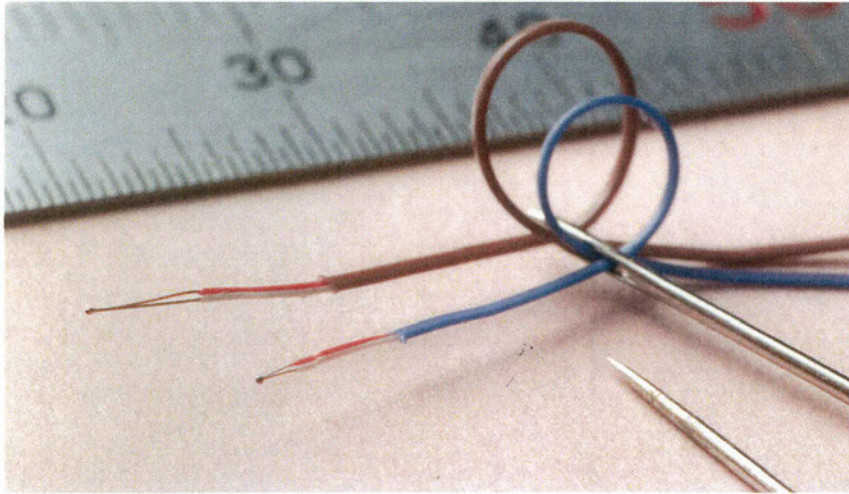


# Super Ultrathin Series Duplex Insulated Thermocouple Wire

We provide flat duplex insulated thermocouple wire consisting of a pair of conductors individually insulated with PFA, a fluorine resin, and then sheathed with PFA.

Fluorine resins are ideal insulating materials because they exhibit excellent properties in all aspects, including electrical characteristics and resistance to heat, cold, oil, and chemicals.



Type	Conductor	Insulation	Standard	Reciprocating conductor resistance (20°C, standard)	Normal-use temperature limit for conductors	Overheating temperature limit for conductors	Operating temperature limit for sheath materials	Max length	Estimated weight
	Outside diameter	Outside diameter	Outside diameter						
	mm	mm	mm	Ω/m	°C	°C	°C	m	kg/km
Super Ultrathin 005-K	0.05	0.21	0.37 x 0.58	494	100	200	-200 ~ +260	1,000	0.5
Super Ultrathin 01-K	0.1	0.26	0.42 x 0.68	127	200	300	-200 ~ +260	1,000	0.6
Super Ultrathin 01-T	0.1	0.26	0.42 x 0.68	66.5	100	150	-200 ~ +260	1,000	0.6

## Features

- The very thin coating of fluorine resin used as an insulator and sheath provides excellent flexibility and a very precise standard overall diameters.
- With a low heat capacity, this wire exhibits excellent thermal responsiveness.
- Fluorine resin (PFA) used as the insulation and sheath provides high resistance to heat (-200°C to +260°C) and chemicals.