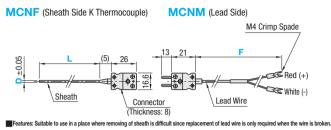
## **Temperature Sensors**

## **Connector Type, Double Element, Chemical Resistant**

Be sure to refer to "Precautions for Use" in the Temperature Sensor Overview on P.1653.



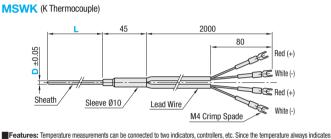


MCNF, MCNM Type of Thermocouple   K Thermocouple				
Pre	JIS Class 2			
Temperature Meas	surement Contact Point	Isolated Neutral Type		
Temperature Measurement Range	Ø1.6	0 ~ 650°C		
	Ø3.2	0 ~ 750°C		
Material	Sheath	SUS316		
	Connector	PPS		
Heat Resistance Te	mperature of Connector	220°C		
	d Wire Temp. Range)	Glass Wool Coating (0~150°C)		

Sheath Side (K Thermocouple)						
Part Number L Selection Unit Price						
Type	D	L Selection	L300	L500		
MCNF	1.6	300				
MCME	3.2	500				

Lead Side				
Part Number	F	Unit Price		
Part Number	Selection (Unit: m)	F2	F4	
MCNM	2 4			



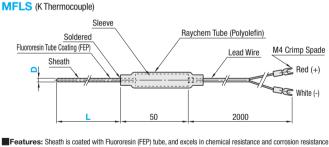


synchronicity, one can be used for temperature control and the other for detecting abnormal high temperature.

Type of Th	K Thermocouple	
Pred	JIS Class 2	
Temperature Meas	Isolated Neutral Type	
Temperature	Ø3.2	0 ~ 750°C
Measurement Range	Ø4.8	0 ~ 800°C
Material	Sheath	SUS316
www.ateriai	Sleeve	SUS304
Heat Resistance T	emperature of Sleeve	80°C
Lea	Vinyl Coating	
(Operating	Temp. Range)	(-20~70°C)

Part Number		L Selection	Unit Price		
Type	D	L Selection	L100	L200	L300
MSWK	3.2	100 200			
	4.8	300			





Type of Th	nermocouple	K Thermocouple
Pre	cision	JIS Class 2
Temperature Meas	surement Contact Point	Isolated Neutral Type
Temperature M	leasurement Range	0 ~ 180°C
Material	Protection Tubes	Sheath SUS316 + Fluororesin (FEP) Tube
	Sleeve	SUS304
Heat Resistance	Temperature of Sleeve	80°C
	d Wire Temp. Range)	Vinyl Coating (-20~70°C)

Part Number		L Selection	Unit Price	
Type	D	L Selection	L200	L400
MFLS	5.3	200 400		

Chemical Resistance (Reference) of Fluororesin (FEP) Tube Coating						
The list below is for reference only and not a product guarantee.						
Mineral Oil Water Hydrochloric Acid (10%, RT) Ammonia Water Gasoline Organic Solvent						

©= Excellent. Little affected.

O= Good. Affected or swollen to some extent but usable depending on conditions. (RT is for room temperature=20°C, % is concentration of solution.)

• The upper limit of temperature measurement is at the measurement point (the tip of sheath). When measuring, keep the sleeve temperature at or below the heat resistance temperature (80°C). The wire may break due to heat expansion of the sleeve. Especially when a heated object temperature exceeds 100°C, a long type of sheath L length is recommended, which is used to put maximum distance between the sleeve and the heated object, or Temperature Sensors, Heat Resistant Type (P1656) is recommended.