

- Gage Factor Approx. 2.0
 Approx. 1.9 at 250 °C (Reference value)
- Applicable Linear Expansion Coefficients ($\times 10^{-6}/^{\circ}\text{C}$) 11, 16, 23
- Self-temperature-compensation Range 10 to 250°C

Applicable Adhesives

	Operating temperature after curing the adhesive
PC-600, PI-32	-196 to 250°C
EP-34B	-55 to 200°C

Operating Time

End of the model	250°C	200°C
11	24 hours	120 hours
16	12 hours	120 hours
23	12 hours	120 hours

High-temperature Foil Strain Gages

RoHS

The base is made of highly heat-resistant polyimide and the gage element is made of NiCr alloy foil, thereby ensuring less thermal output and excellent temperature characteristics.

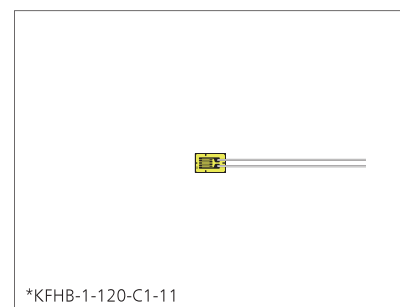
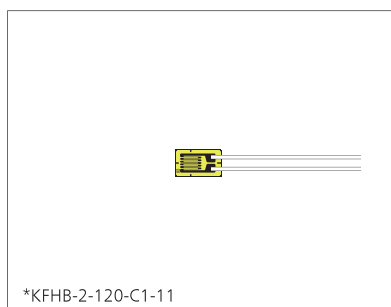
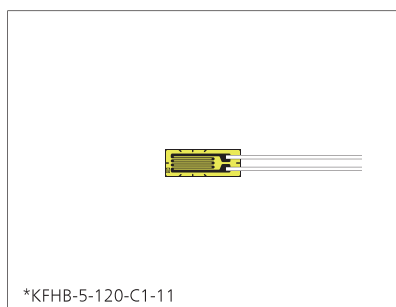
Types, lengths and codes of lead-wire cables pre-attached to KFHB gages

Type	High/low-temp. 3-wire cable	Fluoroplastic-coated high/low-temp. 3-wire cable
Length	C1, D25	
15 cm	H15C3	F15C3
30 cm	H30C3	F30C3
1 m	H1M3	F1M3
3 m	H3M3	F3M3
5 m	H5M3	F5M3
Operating temp.	-196 to 250°C	-196 to 250°C
Remarks	L-17*	L-3*

* For type H and type F of lead-wire cables with glass-cloth tape, see page 23.

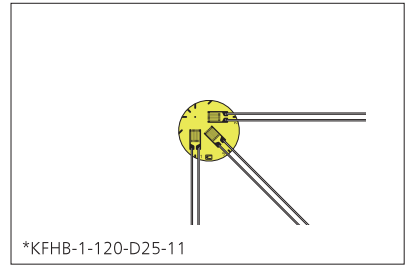
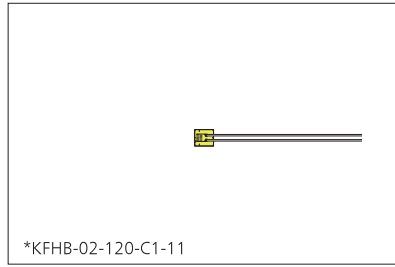
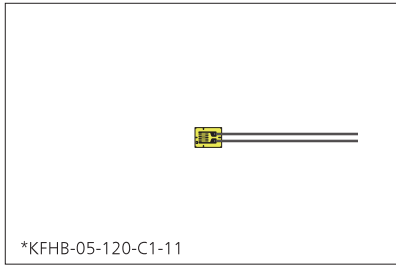
** For other lead-wire cable lengths, contact us.

KFHB ● Uniaxial

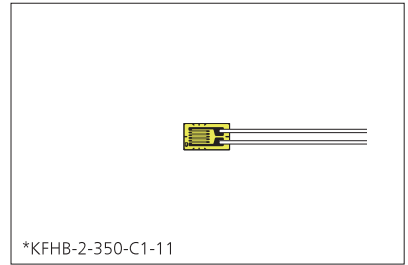
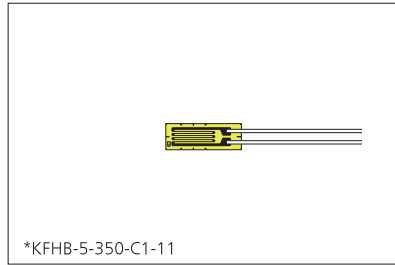
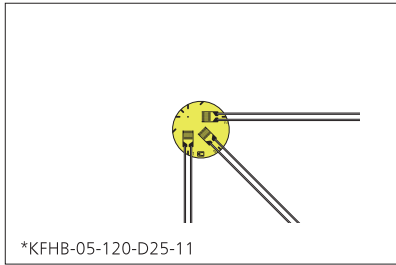


Models	KFHB-5-120-C1- 11 16 23	KFHB-2-120-C1- 11 16 23	KFHB-1-120-C1- 11 16 23
Pattern	Uniaxial		
Base	10 × 3.7 mm	6 × 3.7 mm	4 × 2.7 mm
Gage (Grid)	5 × 2.5 mm	2 × 2.5 mm	1 × 1.5 mm
Resistance	120 Ω		
Pieces per Pack	10		

KFHB ● Uniaxial, Triaxial



Models	KFHB-05-120-C1- 11 16 23	KFHB-02-120-C1- 11 16 23	KFHB-1-120-D25- 11 16 23
Pattern	Uniaxial	Uniaxial	Triaxial, 0°/90°/45°
Base	3.3 × 2.7 mm	2.5 × 2.2 mm	φ8
Gage (Grid)	0.5 × 1.4 mm	0.2 × 1 mm	1 × 1.5 mm
Resistance	120 Ω	120 Ω	120 Ω
Pieces per Pack	10	10	5



Models	KFHB-05-120-D25- 11 16 23	KFHB-5-350-C1- 11 16 23	KFHB-2-350-C1- 11 16 23
Pattern	Triaxial, 0°/90°/45°	Uniaxial	Uniaxial
Base	φ7.5	10 × 3.7 mm	6 × 3.7 mm
Gage (Grid)	0.5 × 1.4 mm	5 × 2.4 mm	2 × 2.4 mm
Resistance	120 Ω	350 Ω	350 Ω
Pieces per Pack	5	10	10

When ordering, specify the model number as follows.

KFHB-□-□-□-□ Lead-wire Cable Code

(e.g.)

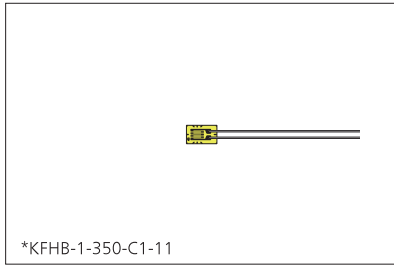
KFHB-5-120-C1-11 H1M3

*Values in □ and lead-wire cable code cannot be arbitrarily combined.

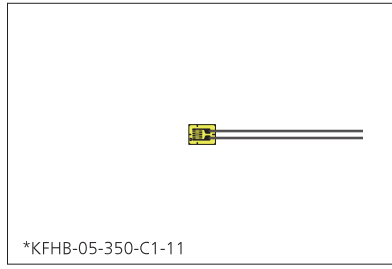
Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
High/low temp. 3-wire cable L-17 	-196 to 250°C	1 m	H1M3
		3 m	H3M3
		5 m	H5M3
Fluoroplastic-coated high/low temp. 3-wire cable L-3 	-196 to 250°C	1 m	F1M3
		3 m	F3M3
		5 m	F5M3
Advanced ribbon cable 	-196 to 250°C	25 mm	

*Gage (Grid): Length × Width

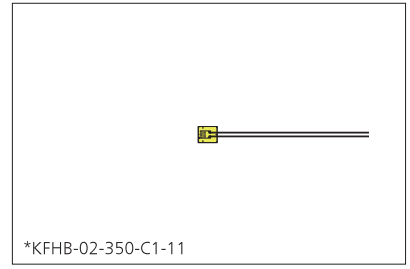
KFHB ● Uniaxial, Triaxial



*KFHB-1-350-C1-11

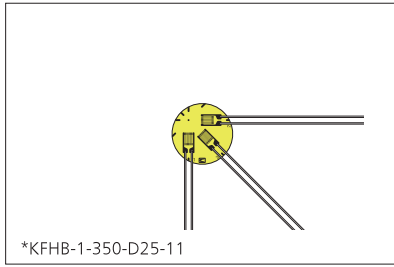


*KFHB-05-350-C1-11

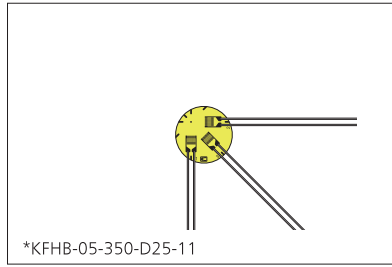


*KFHB-02-350-C1-11

Models	KFHB-1-350-C1-	11 16 23	KFHB-05-350-C1-	11 16 23	KFHB-02-350-C1-	11 16 23
Pattern	Uniaxial		Uniaxial		Uniaxial	
Base	4 × 2.7 mm		3.5 × 2.7 mm		3.0 × 2.7 mm	
Gage (Grid)	1 × 1.5 mm		0.5 × 1.5 mm		0.2 × 1.5 mm	
Resistance	350 Ω		350 Ω		350 Ω	
Pieces per Pack	10		10		10	



*KFHB-1-350-D25-11



*KFHB-05-350-D25-11

Models	KFHB-1-350-D25-	11 16 23	KFHB-05-350-D25-	11 16 23
Pattern	Triaxial, 0°/90°/45°		Triaxial, 0°/90°/45°	
Base	φ8		φ7.5	
Gage (Grid)	1 × 1.5 mm		0.5 × 1.5 mm	
Resistance	350 Ω		350 Ω	
Pieces per Pack	5		5	

When ordering, specify the model number as follows.

KFHB-□-350-□-□ Lead-wire Cable Code

(e.g.)

KFHB-1-350-C1-11 H1M3

*Values in □ and lead-wire cable code cannot be arbitrarily combined.

Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
High/low temp. 3-wire cable L-17 	-196 to 250°C	1 m	H1M3
		3 m	H3M3
		5 m	H5M3
Fluoroplastic-coated high/low temp. 3-wire cable L-3 	-196 to 250°C	1 m	F1M3
		3 m	F3M3
		5 m	F5M3
Advanced ribbon cable 	-196 to 250°C	25 mm	

*Gage (Grid): Length × Width