
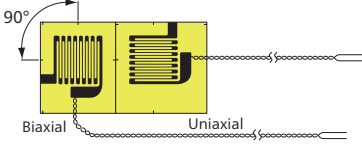
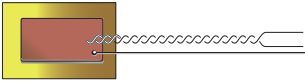
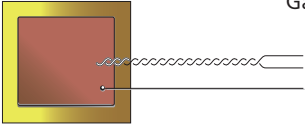


Non-magneto-resistive Strain Gages (KFNB & KFSB)

Patterns, Gage Resistance, Gage Factor	Models	Dimensions (mm)				Remarks																																																																																		
		Gage (Grid)		Base																																																																																				
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<p>●KFNB Series Non-inductive Foil Strain Gages RoHS</p> <p>The gage element is made of a special alloy which provides less magneto-resistant effect; also, the shape is designed to eliminate induction. Thus, the KFNB series foil strain gages allow the strain to be measured accurately under AC magnetic environments.</p> <p>Applicable Adhesive</p> <table border="1"> <tr> <th></th> <th>Operating Temp. after Curing the Adhesive</th> </tr> <tr> <td>PC-600</td> <td>-196 to 150°C</td> </tr> <tr> <td>CC-33A</td> <td>-196 to 120°C</td> </tr> </table> <p>■Types, lengths and codes of lead-wire cables pre-attached to KFNB gages</p> <table border="1"> <thead> <tr> <th>Type</th> <th colspan="4">Vinyl-coated normal-temperature low-noise 3-wire cable</th> </tr> <tr> <th>Length</th> <th colspan="4">C9, D20</th> </tr> </thead> <tbody> <tr> <td>15 cm</td> <td colspan="4">J15C3</td> </tr> <tr> <td>30 cm</td> <td colspan="4">J30C3</td> </tr> <tr> <td>1 m</td> <td colspan="4">J1M3</td> </tr> <tr> <td>3 m</td> <td colspan="4">J3M3</td> </tr> <tr> <td>5 m</td> <td colspan="4">J5M3</td> </tr> <tr> <td>Operating temp.</td> <td colspan="4">-10 to 80°C</td> </tr> <tr> <td>Remarks</td> <td colspan="4">L-13</td> </tr> </tbody> </table> <p>* For other lead-wire cable lengths, contact us.</p> <table border="1"> <tr> <td>KFNB-5-350-C9-11</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>KFNB-5-350-C9-16</td> <td>5</td> <td>6.6</td> <td>12</td> <td>10</td> <td></td> </tr> <tr> <td>KFNB-5-350-C9-23</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>KFNB-2-350-C9-11</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>KFNB-2-350-C9-16</td> <td>2</td> <td>3.5</td> <td>6</td> <td>5</td> <td></td> </tr> <tr> <td>KFNB-2-350-C9-23</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Operating Temp. after Curing the Adhesive	PC-600	-196 to 150°C	CC-33A	-196 to 120°C	Type	Vinyl-coated normal-temperature low-noise 3-wire cable				Length	C9, D20				15 cm	J15C3				30 cm	J30C3				1 m	J1M3				3 m	J3M3				5 m	J5M3				Operating temp.	-10 to 80°C				Remarks	L-13				KFNB-5-350-C9-11						KFNB-5-350-C9-16	5	6.6	12	10		KFNB-5-350-C9-23						KFNB-2-350-C9-11						KFNB-2-350-C9-16	2	3.5	6	5		KFNB-2-350-C9-23						<p>E.g. For the gage with a low-noise vinyl-coated 3-wire cable 5 m long pre-attached → KFNB-5-350-C9-11 J5M3</p> <p>If no lead-wire cable code is suffixed, the gage is delivered with 2 polyester-coated copper wires 10 cm long each.</p> <p>Uniaxial 350Ω gages Resistance: 350 Ω Gage factor: Approx. 2.0</p> 
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<p>●KFSB Series Shielded Foil Strain Gages RoHS</p> <p>The KFSB series foil strain gages are shielded by copper foil covering the whole body. Thus, if a large current flows to or around the gage bonding site, noise will be prevented from entering the measuring circuit.</p> <p>Applicable Adhesive</p> <table border="1"> <tr> <th></th> <th>Operating Temp. after Curing the Adhesive</th> </tr> <tr> <td>CC-33A</td> <td>-196 to 120°C</td> </tr> <tr> <td>EP-340</td> <td>-55 to 120°C</td> </tr> </table> <p>■Types, lengths and codes of lead-wire cables pre-attached to KFSB gages</p> <table border="1"> <thead> <tr> <th>Type</th> <th colspan="4">Vinyl-coated normal-temperature low-noise 3-wire cable</th> </tr> <tr> <th>Length</th> <th colspan="4">J1</th> </tr> </thead> <tbody> <tr> <td>15 cm</td> <td colspan="4">J15C3</td> </tr> <tr> <td>30 cm</td> <td colspan="4">J30C3</td> </tr> <tr> <td>1 m</td> <td colspan="4">J1M3</td> </tr> <tr> <td>3 m</td> <td colspan="4">J3M3</td> </tr> <tr> <td>5 m</td> <td colspan="4">J5M3</td> </tr> <tr> <td>Operating temp.</td> <td colspan="4">-10 to 80°C</td> </tr> <tr> <td>Remarks</td> <td colspan="4">L-13</td> </tr> </tbody> </table> <p>* For other lead-wire cable lengths, contact us. *The base size includes that of the insulation sheet.</p> <table border="1"> <tr> <td>KFSB-5-120-J1-11</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>KFSB-5-120-J1-16</td> <td>5</td> <td>1.4</td> <td>15</td> <td>10</td> <td>Polyester-coated copper lead wires Shield wire 25 mm long</td> </tr> <tr> <td>KFSB-5-120-J1-23</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Operating Temp. after Curing the Adhesive	CC-33A	-196 to 120°C	EP-340	-55 to 120°C	Type	Vinyl-coated normal-temperature low-noise 3-wire cable				Length	J1				15 cm	J15C3				30 cm	J30C3				1 m	J1M3				3 m	J3M3				5 m	J5M3				Operating temp.	-10 to 80°C				Remarks	L-13				KFSB-5-120-J1-11						KFSB-5-120-J1-16	5	1.4	15	10	Polyester-coated copper lead wires Shield wire 25 mm long	KFSB-5-120-J1-23						<p>E.g. For the gage with a low-noise vinyl-coated 3-wire cable 5 m long pre-attached → KFSB-5-120-J1-11 J5M3</p> <p>If no lead-wire cable code is suffixed, the gage is delivered with 2 polyester-coated copper wires 25 mm long each.</p> <p>Uniaxial Resistance: 120 Ω Gage factor: Approx. 2.1</p> 																		
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10 gages/ pkg unless otherwise specified.



Strain Gages

Outline

Lead-wire cable

General

Waterproof

Concrete

Composite material
PCB
Plastics

Ultra-small strain
High temp.
Low temp.

High elongation

Non-magneto-resistive

Hydrogen gas
Bending

With protector
Embedded

Crack

Adhesive
Coating agent

Custom-designed