

# High-temperature Gages

# KFU

- Gage Factor Approx. 1.8 (350°C)
- Applicable Linear Expansion Coefficients 11, 16, 23
- Self-temperature-compensation Range 10 to 300°C

### Applicable Adhesive and Operating Temperature Range

PI-32: -196 to 350°C







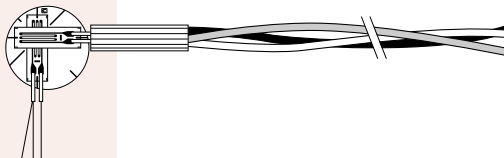


## ■ High-temperature Foil Strain Gages

The base is made of highly heat-resistant polyimide and the gage element is made of NiCr alloy foil, thereby letting the KFU gages exhibit superior characteristics over a wide temperature range.

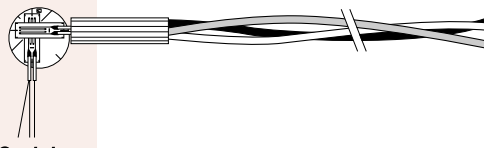


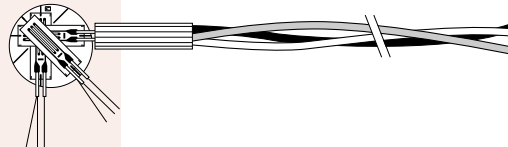





### ■ Types, lengths and codes of leadwire cables pre-attached to KFU gages

Type Length	High/low-temp. 3-wire cable	Glass-coated cable of 3 Ni-clad copper wires
	C1, D16, D17	
15 cm	H15C3	B15C3
30	H30C3	B30C3
50	H50C3	B50C3
1 m	H1M3	B1M3
2	H2M3	B2M3
3	H3M3	B3M3
4	H4M3	B4M3
5	H5M3	B5M3
6	H6M3	B6M3
8	H8M3	B8M3
10	H10M3	B10M3
15	H15M3	B15M3
20	H20M3	B20M3
30 m	H30M3	B30M3
Oprg. temp. range	-196 to 350°C	Normal temp. to 280°C
Remarks	L-17	







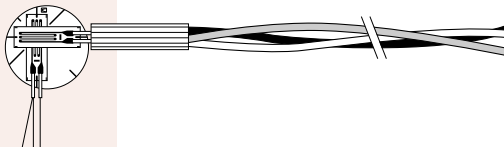


# KFU Gages ● Uniaxial 120Ω/Biaxial 120Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model	
<b>KFU-5-120-C1-11</b> 16 23  <b>Uniaxial</b> ● Base Size 10 x 3.7 mm ● Gage Length 5 mm ● Gage Resistance 120Ω ● Pieces per Pack 10	High/low-temperature 3-wire cable L-17 	-196 to 350°C	1m	KFU-5-120-C1-11 H1M3	
			3m	KFU-5-120-C1-11 H3M3	
			5m	KFU-5-120-C1-11 H5M3	
		Glass-coated cable of 3 Ni-clad copper wires 	Normal temp. to 280°C	1m	KFU-5-120-C1-11 B1M3
		3m		KFU-5-120-C1-11 B3M3	
		5m		KFU-5-120-C1-11 B5M3	
		Advance ribbon cable 	-196 to 350°C	25mm	KFU-5-120-C1-11
	<b>KFU-2-120-C1-11</b> 16 23  <b>Uniaxial</b> ● Base Size 6 x 3.7 mm ● Gage Length 2 mm ● Gage Resistance 120Ω ● Pieces per Pack 10	High/low-temperature 3-wire cable L-17 	-196 to 350°C	1m	KFU-2-120-C1-11 H1M3
				3m	KFU-2-120-C1-11 H3M3
		5m		KFU-2-120-C1-11 H5M3	
		Glass-coated cable of 3 Ni-clad copper wires 	Normal temp. to 280°C	1m	KFU-2-120-C1-11 B1M3
		3m		KFU-2-120-C1-11 B3M3	
		5m		KFU-2-120-C1-11 B5M3	
		Advance ribbon cable 	-196 to 350°C	25mm	KFU-2-120-C1-11
<b>KFU-5-120-D16-11</b> 16 23  <b>Biaxial, 0°/90° stacked rosette</b> ● Base Size 11 mmφ ● Gage Length 5 mm ● Gage Resistance 120Ω ● Pieces per Pack 10		High/low-temperature 3-wire cable L-17 	-196 to 350°C	1m	KFU-5-120-D16-11 H1M3
				3m	KFU-5-120-D16-11 H3M3
		5m		KFU-5-120-D16-11 H5M3	
		Glass-coated cable of 3 Ni-clad copper wires 	Normal temp. to 280°C	1m	KFU-5-120-D16-11 B1M3
		3m		KFU-5-120-D16-11 B3M3	
		5m		KFU-5-120-D16-11 B5M3	
		Advance ribbon cable 	-196 to 350°C	25mm	KFU-5-120-D16-11

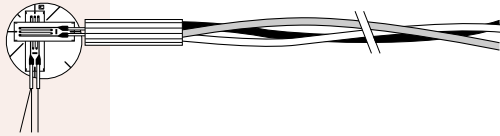


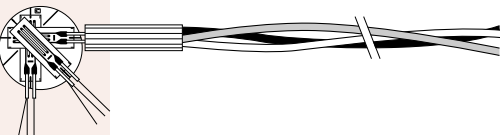


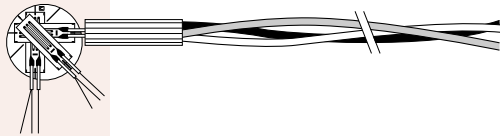


# KFU Gages ● Biaxial 120Ω/Triaxial 120Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model	
<p><b>KFU-2-120-D16-11</b> 16 23</p> <p><b>Biaxial, 0°/90° stacked rosette</b></p> <ul style="list-style-type: none"> <li>● Base Size 8 mm φ</li> <li>● Gage Length 2 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>	<p>High/low-temperature 3-wire cable L-17</p> 	-196 to 350°C	1m	KFU-2-120-D16-11 H1M3	
				3m	KFU-2-120-D16-11 H3M3
				5m	KFU-2-120-D16-11 H5M3
		<p>Glass-coated cable of 3 Ni-clad copper wires</p> 	Normal temp. to 280°C	1m	KFU-2-120-D16-11 B1M3
				3m	KFU-2-120-D16-11 B3M3
				5m	KFU-2-120-D16-11 B5M3
		<p>Advance ribbon cable</p> 	-196 to 350°C	25mm	KFU-2-120-D16-11
	<p><b>KFU-5-120-D17-11</b> 16 23</p> <p><b>Triaxial, 0°/90°/45° stacked rosette</b></p> <ul style="list-style-type: none"> <li>● Base Size 11 mm φ</li> <li>● Gage Length 5 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>	<p>High/low-temperature 3-wire cable L-17</p> 	-196 to 350°C	1m	KFU-5-120-D17-11 H1M3
					3m
				5m	KFU-5-120-D17-11 H5M3
		<p>Glass-coated cable of 3 Ni-clad copper wires</p> 	Normal temp. to 280°C	1m	KFU-5-120-D17-11 B1M3
				3m	KFU-5-120-D17-11 B3M3
				5m	KFU-5-120-D17-11 B5M3
		<p>Advance ribbon cable</p> 	-196 to 350°C	25mm	KFU-5-120-D17-11
<p><b>KFU-2-120-D17-11</b> 16 23</p> <p><b>Triaxial, 0°/90°/45° stacked rosette</b></p> <ul style="list-style-type: none"> <li>● Base Size 8 mm φ</li> <li>● Gage Length 2 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>		<p>High/low-temperature 3-wire cable L-17</p> 	-196 to 350°C	1m	KFU-2-120-D17-11 H1M3
					3m
				5m	KFU-2-120-D17-11 H5M3
		<p>Glass-coated cable of 3 Ni-clad copper wires</p> 	Normal temp. to 280°C	1m	KFU-2-120-D17-11 B1M3
				3m	KFU-2-120-D17-11 B3M3
				5m	KFU-2-120-D17-11 B5M3
		<p>Advance ribbon cable</p> 	-196 to 350°C	25mm	KFU-2-120-D17-11

# KFU Gages ● Uniaxial 350Ω/Biaxial 350Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model	
<b>KFU-5-350-C1-11</b> 16 23  <b>Uniaxial</b> ● Base Size 10 x 3.7 mm ● Gage Length 5 mm ● Gage Resistance 350Ω ● Pieces per Pack 10	High/low-temperature 3-wire cable L-17 	-196 to 350°C	1m	KFU-5-350-C1-11 H1M3	
			3m	KFU-5-350-C1-11 H3M3	
			5m	KFU-5-350-C1-11 H5M3	
		Glass-coated cable of 3 Ni-clad copper wires 	Normal temp. to 280°C	1m	KFU-5-350-C1-11 B1M3
		3m		KFU-5-350-C1-11 B3M3	
		5m		KFU-5-350-C1-11 B5M3	
		Advance ribbon cable 	-196 to 350°C	25mm	KFU-5-350-C1-11
	<b>KFU-2-350-C1-11</b> 16 23  <b>Uniaxial</b> ● Base Size 6 x 3.7 mm ● Gage Length 2 mm ● Gage Resistance 350Ω ● Pieces per Pack 10	High/low-temperature 3-wire cable L-17 	-196 to 350°C	1m	KFU-2-350-C1-11 H1M3
				3m	KFU-2-350-C1-11 H3M3
		5m		KFU-2-350-C1-11 H5M3	
		Glass-coated cable of 3 Ni-clad copper wires 	Normal temp. to 280°C	1m	KFU-2-350-C1-11 B1M3
		3m		KFU-2-350-C1-11 B3M3	
		5m		KFU-2-350-C1-11 B5M3	
		Advance ribbon cable 	-196 to 350°C	25mm	KFU-2-350-C1-11
<b>KFU-5-350-D16-11</b> 16 23  <b>Biaxial, 0°/90° stacked rosette,</b> ● Base Size 11 mm φ ● Gage Length 5 mm ● Gage Resistance 350Ω ● Pieces per Pack 10		High/low-temperature 3-wire cable L-17 	-196 to 350°C	1m	KFU-5-350-D16-11 H1M3
				3m	KFU-5-350-D16-11 H3M3
		5m		KFU-5-350-D16-11 H5M3	
		Glass-coated cable of 3 Ni-clad copper wires 	Normal temp. to 280°C	1m	KFU-5-350-D16-11 B1M3
		3m		KFU-5-350-D16-11 B3M3	
		5m		KFU-5-350-D16-11 B5M3	
		Advance ribbon cable 	-196 to 350°C	25mm	KFU-5-350-D16-11

# KFU Gages ● Biaxial 350Ω/Triaxial 350Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model			
<p><b>KFU-2-350-D16-11</b> 16 23</p> <p><b>Biaxial, 0°/90° stacked rosette,</b></p> <ul style="list-style-type: none"> <li>● Base Size 10 mmφ</li> <li>● Gage Length 2 mm</li> <li>● Gage Resistance 350Ω</li> <li>● Pieces per Pack 10</li> </ul>	 <p>High/low-temperature 3-wire cable L-17</p>	-196 to 350°C	1m	KFU-2-350-D16-11 H1M3			
			3m	KFU-2-350-D16-11 H3M3			
			5m	KFU-2-350-D16-11 H5M3			
	 <p>Glass-coated cable of 3 Ni-clad copper wires</p>	Normal temp. to 280°C	1m	KFU-2-350-D16-11 B1M3			
			3m	KFU-2-350-D16-11 B3M3			
			5m	KFU-2-350-D16-11 B5M3			
	 <p>Advance ribbon cable</p>	-196 to 350°C	25mm	KFU-2-350-D16-11			
			<p><b>KFU-5-350-D17-11</b> 16 23</p> <p><b>Triaxial, 0°/90°/45° stacked rosette,</b></p> <ul style="list-style-type: none"> <li>● Base Size 11 mmφ</li> <li>● Gage Length 5 mm</li> <li>● Gage Resistance 350Ω</li> <li>● Pieces per Pack 10</li> </ul>	 <p>High/low-temperature 3-wire cable L-17</p>	-196 to 350°C	1m	KFU-5-350-D17-11 H1M3
						3m	KFU-5-350-D17-11 H3M3
	5m	KFU-5-350-D17-11 H5M3					
 <p>Glass-coated cable of 3 Ni-clad copper wires</p>	Normal temp. to 280°C	1m		KFU-5-350-D17-11 B1M3			
		3m		KFU-5-350-D17-11 B3M3			
		5m		KFU-5-350-D17-11 B5M3			
 <p>Advance ribbon cable</p>	-196 to 350°C	25mm		KFU-5-350-D17-11			
		<p><b>KFU-2-350-D17-11</b> 16 23</p> <p><b>Triaxial, 0°/90°/45° stacked rosette,</b></p> <ul style="list-style-type: none"> <li>● Base Size 10 mmφ</li> <li>● Gage Length 2 mm</li> <li>● Gage Resistance 350Ω</li> <li>● Pieces per Pack 10</li> </ul>		 <p>High/low-temperature 3-wire cable L-17</p>	-196 to 350°C	1m	KFU-2-350-D17-11 H1M3
						3m	KFU-2-350-D17-11 H3M3
5m	KFU-2-350-D17-11 H5M3						
 <p>Glass-coated cable of 3 Ni-clad copper wires</p>	Normal temp. to 280°C		1m	KFU-2-350-D17-11 B1M3			
			3m	KFU-2-350-D17-11 B3M3			
			5m	KFU-2-350-D17-11 B5M3			
 <p>Advance ribbon cable</p>	-196 to 350°C		25mm	KFU-2-350-D17-11			