



## Strain Gages for Concrete

# KFG

- Gage factor Approx. 2.1
- Applicable linear expansion coefficient 11
- Self-temperature compensation range 10 to 100°C

### Applicable Adhesives and Operating Temperature Ranges

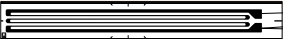
- PC-12: -10 to 80°C
- CC-35: -10 to 80°C

### ■ General-purpose Foil Strain Gages




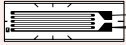

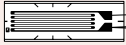
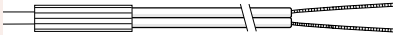
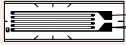
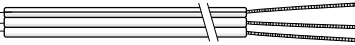
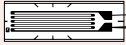

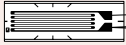

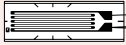

Listed here are leadwire-equipped gages selected from KFG gages applicable to strain measurement for concrete.

Note: For the types and lengths of the leadwires, refer to page 32.

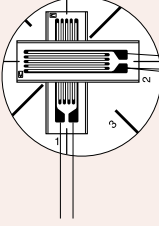
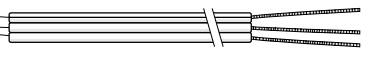
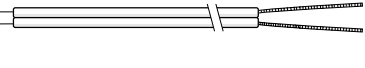
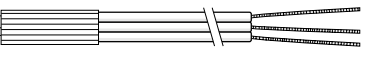
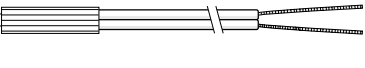
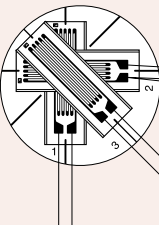
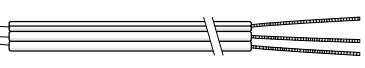
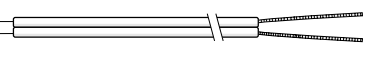
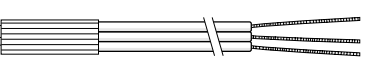
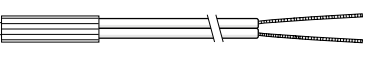
## KFG Gages ● Uniaxial 120Ω

Pattern	Leadwire Cable - Type and Shape	Operating Temp. Range	Leadwire Length	Model	
 <p><b>KFG-30-120-C1-11</b></p>	Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)	-10 to 80°C	1m	KFG-30-120-C1-11 L1M3R	
			3m	KFG-30-120-C1-11 L3M3R	
			5m	KFG-30-120-C1-11 L5M3R	
		Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	-10 to 80°C	1m	KFG-30-120-C1-11 L1M2R
		3m		KFG-30-120-C1-11 L3M2R	
		5m		KFG-30-120-C1-11 L5M2R	
		Middle-temperature 3-wire cable L-12	-100 to 150°C	1m	KFG-30-120-C1-11 R1M3
		3m		KFG-30-120-C1-11 R3M3	
		5m		KFG-30-120-C1-11 R5M3	
<p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size <span style="float: right;">37 x 5.2 mm</span></li> <li>● Gage Length <span style="float: right;">30 mm</span></li> <li>● Gage Resistance <span style="float: right;">120Ω</span></li> <li>● Pieces per Pack <span style="float: right;">10</span></li> </ul>	Middle-temperature 2-wire cable L-11	-100 to 150°C	1m	KFG-30-120-C1-11 R1M2	
			3m	KFG-30-120-C1-11 R3M2	
			5m	KFG-30-120-C1-11 R5M2	

# KFG Gages ● Uniaxial 120Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model			
 <p><b>KFG-20-120-C1-11</b></p> <p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size 28 x 8 mm</li> <li>● Gage Length 20 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>	Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)	-10 to 80°C	1m	KFG-20-120-C1-11 L1M3R			
				3m	KFG-20-120-C1-11 L3M3R		
				5m	KFG-20-120-C1-11 L5M3R		
		Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	-10 to 80°C	1m	KFG-20-120-C1-11 L1M2R		
		3m		KFG-20-120-C1-11 L3M2R			
		5m		KFG-20-120-C1-11 L5M2R			
	 <p><b>KFG-10-120-C1-11</b></p> <p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size 16 x 5.2 mm</li> <li>● Gage Length 10 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>	Middle-temperature 3-wire cable L-12	-100 to 150°C	1m	KFG-20-120-C1-11 R1M3		
				3m	KFG-20-120-C1-11 R3M3		
				5m	KFG-20-120-C1-11 R5M3		
		 <p><b>KFG-10-120-C1-11</b></p> <p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size 16 x 5.2 mm</li> <li>● Gage Length 10 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>	Middle-temperature 2-wire cable L-11	-100 to 150°C	1m	KFG-20-120-C1-11 R1M2	
					3m	KFG-20-120-C1-11 R3M2	
					5m	KFG-20-120-C1-11 R5M2	
 <p><b>KFG-10-120-C1-11</b></p> <p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size 16 x 5.2 mm</li> <li>● Gage Length 10 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>			Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)	-10 to 80°C	1m	KFG-10-120-C1-11 L1M3R	
					3m	KFG-10-120-C1-11 L3M3R	
					5m	KFG-10-120-C1-11 L5M3R	
			 <p><b>KFG-10-120-C1-11</b></p> <p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size 16 x 5.2 mm</li> <li>● Gage Length 10 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>	Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	-10 to 80°C	1m	KFG-10-120-C1-11 L1M2R
						3m	KFG-10-120-C1-11 L3M2R
						5m	KFG-10-120-C1-11 L5M2R
	 <p><b>KFG-10-120-C1-11</b></p> <p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size 16 x 5.2 mm</li> <li>● Gage Length 10 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>			Middle-temperature 3-wire cable L-12	-100 to 150°C	1m	KFG-10-120-C1-11 R1M3
						3m	KFG-10-120-C1-11 R3M3
						5m	KFG-10-120-C1-11 R5M3
		 <p><b>KFG-10-120-C1-11</b></p> <p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size 16 x 5.2 mm</li> <li>● Gage Length 10 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>		Middle-temperature 2-wire cable L-11	-100 to 150°C	1m	KFG-10-120-C1-11 R1M2
						3m	KFG-10-120-C1-11 R3M2
						5m	KFG-10-120-C1-11 R5M2

# KFG Gages ● Biaxial 120Ω/Triaxial 120Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model	
 <p><b>KFG-10-120-D16-11</b></p> <p><b>Biaxial, 0°/90° stacked rosette</b></p> <ul style="list-style-type: none"> <li>● Base Size 21 mmφ</li> <li>● Gage Length 10 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>	<p>Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)</p> 	-10 to 80°C	1m	KFG-10-120-D16-11 L1M3S	
				3m	KFG-10-120-D16-11 L3M3S
				5m	KFG-10-120-D16-11 L5M3S
		<p>Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)</p> 	-10 to 80°C	1m	KFG-10-120-D16-11 L1M2S
				3m	KFG-10-120-D16-11 L3M2S
				5m	KFG-10-120-D16-11 L5M2S
		<p>Middle-temperature 3-wire cable L-12</p> 	-100 to 150°C	1m	KFG-10-120-D16-11 R1M3
				3m	KFG-10-120-D16-11 R3M3
				5m	KFG-10-120-D16-11 R5M3
		<p>Middle-temperature 2-wire cable L-11</p> 	-100 to 150°C	1m	KFG-10-120-D16-11 R1M2
				3m	KFG-10-120-D16-11 R3M2
				5m	KFG-10-120-D16-11 R5M2
 <p><b>KFG-10-120-D17-11</b></p> <p><b>Triaxial, 0°/90°/45° stacked rosette for stress analysis</b></p> <ul style="list-style-type: none"> <li>● Base Size 21 mmφ</li> <li>● Gage Length 10 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>	<p>Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)</p> 	-10 to 80°C	1m	KFG-10-120-D17-11 L1M3S	
				3m	KFG-10-120-D17-11 L3M3S
				5m	KFG-10-120-D17-11 L5M3S
		<p>Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)</p> 	-10 to 80°C	1m	KFG-10-120-D17-11 L1M2S
				3m	KFG-10-120-D17-11 L3M2S
				5m	KFG-10-120-D17-11 L5M2S
		<p>Middle-temperature 3-wire cable L-12</p> 	-100 to 150°C	1m	KFG-10-120-D17-11 R1M3
				3m	KFG-10-120-D17-11 R3M3
				5m	KFG-10-120-D17-11 R5M3
		<p>Middle-temperature 2-wire cable L-11</p> 	-100 to 150°C	1m	KFG-10-120-D17-11 R1M2
				3m	KFG-10-120-D17-11 R3M2
				5m	KFG-10-120-D17-11 R5M2