

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.

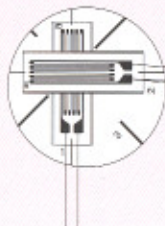








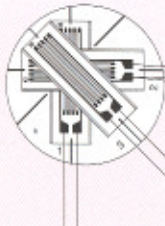








KFG Gages ● Uniaxial 120Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model	
 <p>KFG-30-120-C1-11</p> <p>Uniaxial</p> <ul style="list-style-type: none"> ● Base Size 37 x 5.2 mm ● Gage Length 30 mm ● Gage Resistance 120Ω ● Pieces per Pack 10 	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
	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>KFG-20-120-C1-11</p> <p>Uniaxial</p> <ul style="list-style-type: none"> ● Base Size 28 x 8 mm ● Gage Length 20 mm ● Gage Resistance 120Ω ● Pieces per Pack 10 	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	
		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	
		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>KFG-10-120-C1-11</p> <p>Uniaxial</p> <ul style="list-style-type: none"> ● Base Size 16 x 5.2 mm ● Gage Length 10 mm ● Gage Resistance 120Ω ● Pieces per Pack 10 	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	
		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	
		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	
		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>KFG-10-120-D16-11</p> <p>Biaxial, 0°/90° stacked rosette</p> <ul style="list-style-type: none"> ● Base Size 21 mmφ ● Gage Length 10 mm ● Gage Resistance 120Ω ● Pieces per Pack 10 	Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)	-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
	Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	-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
	Middle-temperature 3-wire cable L-12	-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
	Middle-temperature 2-wire cable L-11	-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>KFG-10-120-D17-11</p> <p>Triaxial, 0°/90°/45° stacked rosette for stress analysis</p> <ul style="list-style-type: none"> ● Base Size 21 mmφ ● Gage Length 10 mm ● Gage Resistance 120Ω ● Pieces per Pack 10 	Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)	-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
	Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	-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
	Middle-temperature 3-wire cable L-12	-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
	Middle-temperature 2-wire cable L-11	-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