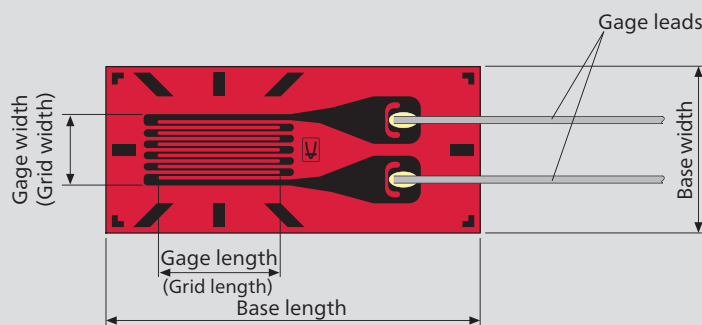




General-purpose Foil Strain Gages

RoHS

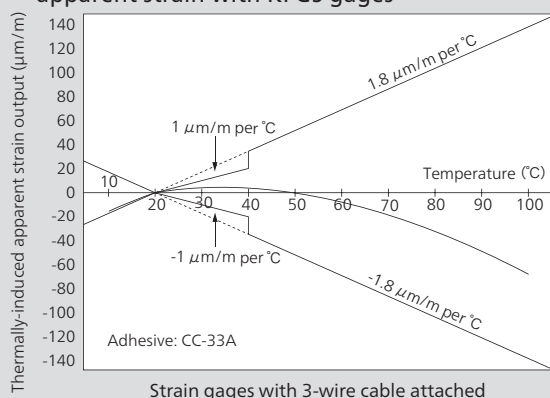
The KFGS series gages use polyimide resin for the base that is approx. 13 μm thick. It ensures excellent flexibility. The outstanding moisture proof enables the KFGS gages to operate effectively both indoors and outdoors. Unless directly exposed to water droplets, no coating treatment is required.

● Gage Factor	Approx. 2.1
● Applicable Linear Expansion Coefficients ($\times 10^{-6}/^{\circ}\text{C}$)	5, 11, 16, 23, 27
● Self-temperature-compensation Range	10 to 100 $^{\circ}\text{C}$

Applicable Adhesives and Operating Temperature

CC-33A: -196 to 120 $^{\circ}\text{C}$	EP-340: -55 to 150 $^{\circ}\text{C}$
CC-35: -30 to 120 $^{\circ}\text{C}$	PC-600: -196 to 150 $^{\circ}\text{C}$
CC-36: -30 to 100 $^{\circ}\text{C}$	

Typical characteristic curve of thermally-induced apparent strain with KFGS gages



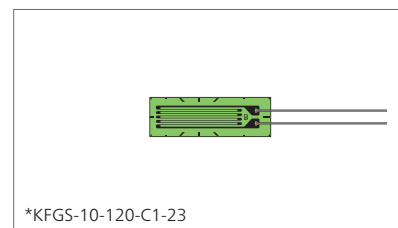
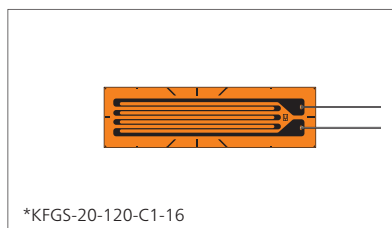
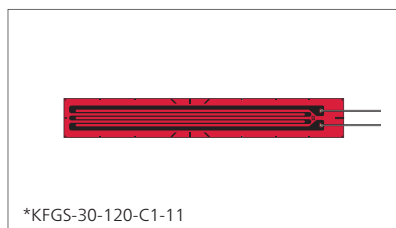
- Various lengths and patterns are available to cope with multiple applications.
- Excellent moisture resistance.
- The thin gage base provides less resiliency, and thus ensures excellent workability and easy bonding to curved surfaces.
- Compensated temperature range is as wide as 10 to 100 $^{\circ}\text{C}$ and thermal effect in a range of 20 to 40 $^{\circ}\text{C}$ is as small as $\pm 1 \mu\text{m}/\text{m}/^{\circ}\text{C}$ (representative value).
- Strain limit at room temperatures is approximately 5% and fatigue life is 1.2×10^7 times (uniaxial gages), making them suitable for material tests.
- For gages with a 2-wire cable, the resistance and the gage factor are as stated including the lead-wire cables.
- For gages with a 3-wire cable, the gage factor is as stated including the lead-wire cables but the stated resistance does not include the effect of the lead-wire cables.

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

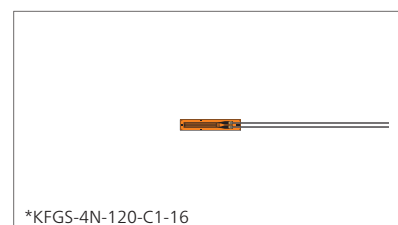
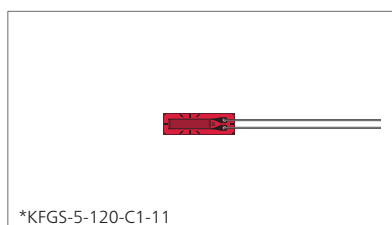
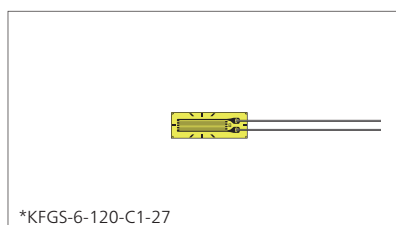
Type	2 polyester-coated copper wires	3 polyester-coated copper wires	Vinyl-coated flat 2-wire cables		Vinyl-coated flat 3-wire cables		Mid-temperature 2-wire cables	Mid-temperature 3-wire cables
Length	C1, C2, C3, C15, C16, D1, D2, D3, D4, D6, D9, D16, D17, D19, D28, D31, D39	C1, C2, C3, C15, C16, D1, D4, D9, D16, D17, D19, D28, D39	C1, C2, C3, C15, C16, D9, D19	D1, D4, D16, D17, D28, D39	C1, C2, C3, C15, C16, D2, D9, D19, D31	D1, D4, D16, D17, D28, D39	C1, C2, C3, C15, C16, D1, D4, D9, D16, D17, D19, D28, D39	C1, C2, C3, C15, C16, D1, D2, D4, D9, D16, D17, D19, D28, D31, D39
15 cm	N15C2	N15C3	L15C2R	L15C2S	L15C3R	L15C3S	R15C2	R15C3
30 cm	N30C2	N30C3	L30C2R	L30C2S	L30C3R	L30C3S	R30C2	R30C3
1 m	N1M2	N1M3	L1M2R	L1M2S	L1M3R	L1M3S	R1M2	R1M3
3 m	—	—	L3M2R	L3M2S	L3M3R	L3M3S	R3M2	R3M3
5 m	—	—	L5M2R	L5M2S	L5M3R	L5M3S	R5M2	R5M3
Operating temp.	-196 to 150 $^{\circ}\text{C}$		-10 to 80 $^{\circ}\text{C}$				-100 to 150 $^{\circ}\text{C}$	
Remarks	Twisted for ≥ 50 cm (There are exceptions.)		L-6 L-9 for ≥ 6 m		L-7 L-10 for ≥ 6 m		L-11*	L-12*

* For type R of lead-wire cable with glass-cloth tape, see page 23.

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



Models	KFGS-30-120-C1-	11 16 23 27	KFGS-20-120-C1-	11 16 23 27	KFGS-10-120-C1-	11 16 23 27
Pattern	Uniaxial		Uniaxial		Uniaxial	
Base	37 × 5.2 mm		28 × 8 mm		16 × 5.2 mm	
Gage (Grid)	30 × 3.3 mm		20 × 5 mm		10 × 3 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		10	



Models	KFGS-6-120-C1-	11 16 23 27	KFGS-5-120-C1-	5 11 16 23 27	KFGS-4N-120-C1-	11 16 23 27
Pattern	Uniaxial		Uniaxial		Uniaxial	
Base	10 × 3.4 mm		9.4 × 2.8 mm		8 × 1.4 mm	
Gage (Grid)	6 × 1.7 mm		5 × 1.4 mm		4 × 0.7 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		10	

When ordering,
specify the model number as follows.

KFGS-□-120-C1-□ Lead-wire Cable Code

(e.g.)

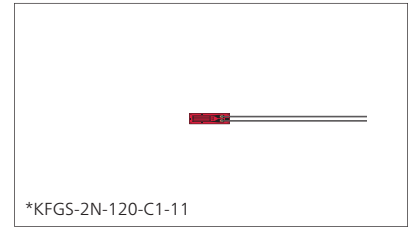
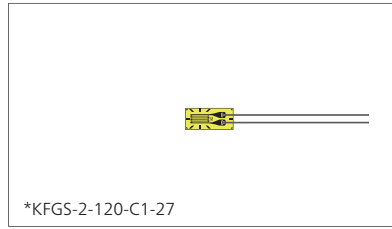
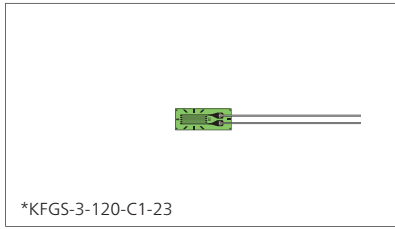
KFGS-30-120-C1-11 L1M3R

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

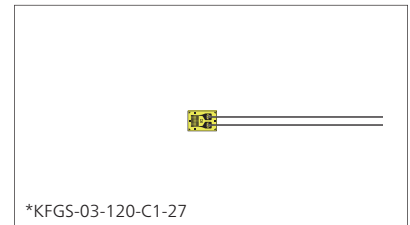
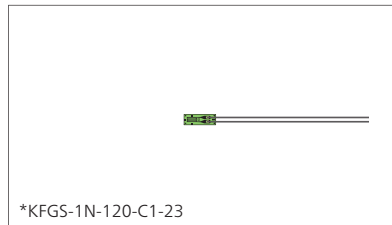
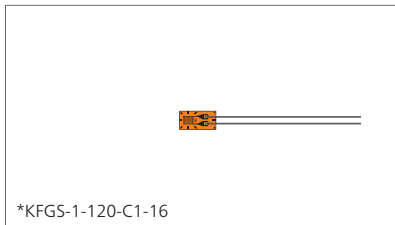
Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
Vinyl-coated flat 3-wire cable L-7 (L-10 for 6 m or longer)	-10 to 80°C	1 m	L1M3R
		3 m	L3M3R
		5 m	L5M3R
Vinyl-coated flat 2-wire cable L-6 (L-9 for 6 m or longer)	-10 to 80°C	1 m	L1M2R
		3 m	L3M2R
		5 m	L5M2R
Mid-temperature 3-wire cable L-12	-100 to 150°C	1 m	R1M3
		3 m	R3M3
		5 m	R5M3
Mid-temperature 2-wire cable L-11	-100 to 150°C	1 m	R1M2
		3 m	R3M2
		5 m	R5M2
3 polyester-coated copper wires	-196 to 150°C	30 cm	N30C3
		50 cm, 1 m	N50C3
		1 m	N1M3
2 polyester-coated copper wires	-196 to 150°C	30 cm	N30C2
		50 cm	N50C2
		1 m	N1M2
Silver-covered copper wires	-196 to 150°C	25 mm	

*Gage (Grid): Length × Width

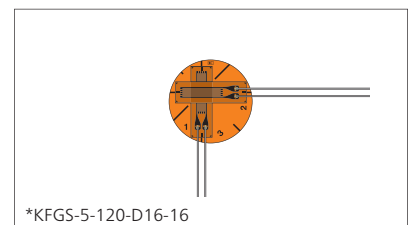
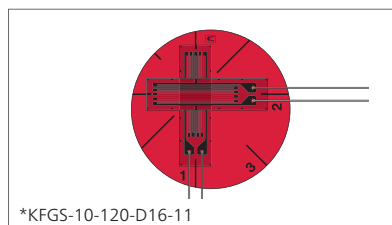
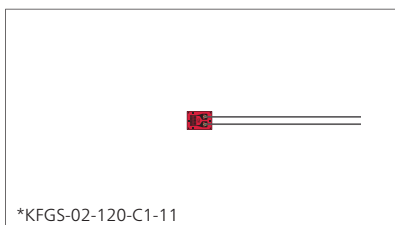
Oprg. Temp.: Operating Temperature



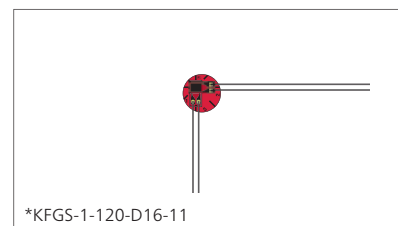
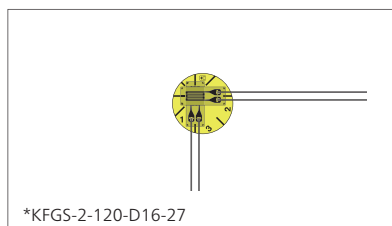
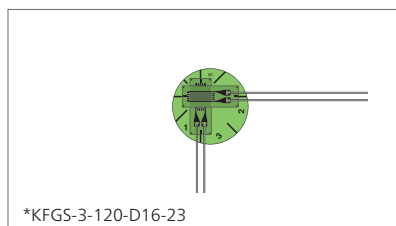
Models	KFGS-3-120-C1-	11 16 23 27	KFGS-2-120-C1-	5 11 16 23 27	KFGS-2N-120-C1-	11 16 23 27
	Uniaxial		Uniaxial		Uniaxial	
	7.4 × 2.8 mm		6.3 × 2.8 mm		5.3 × 1.4 mm	
	3 × 1.3 mm		2 × 1.2 mm		2 × 0.84 mm	
	120 Ω		120 Ω		120 Ω	
Pattern						
Base	7.4 × 2.8 mm		6.3 × 2.8 mm		5.3 × 1.4 mm	
Gage (Grid)	3 × 1.3 mm		2 × 1.2 mm		2 × 0.84 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		10	



Models	KFGS-1-120-C1-	11 16 23 27	KFGS-1N-120-C1-	11 16 23 27	KFGS-03-120-C1-	11 16 23 27
	Uniaxial		Uniaxial		Uniaxial	
	4.8 × 2.4 mm		4.2 × 1.4 mm		3.5 × 2.4 mm	
	1 × 1.1 mm		1 × 0.65 mm		0.3 × 1.4 mm	
	120 Ω		120 Ω		120 Ω	
Pattern						
Base	4.8 × 2.4 mm		4.2 × 1.4 mm		3.5 × 2.4 mm	
Gage (Grid)	1 × 1.1 mm		1 × 0.65 mm		0.3 × 1.4 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		10	



Models	KFGS-02-120-C1-	11 16 23 27	KFGS-10-120-D16-	11 16 23 27	KFGS-5-120-D16-	11 16 23 27
	Uniaxial		Biaxial, 0°/90° stacked rosette		Biaxial, 0°/90° stacked rosette	
	3.3 × 2.4 mm		ϕ21		ϕ11	
	0.2 × 1.4 mm		10 × 3 mm		5 × 1.4 mm	
	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		10	



Models	KFGS-3-120-D16-	11 16 23 27	KFGS-2-120-D16-	11 16 23 27	KFGS-1-120-D16-	11 16 23 27
Pattern	Biaxial, 0°/90° stacked rosette		Biaxial, 0°/90° stacked rosette		Biaxial, 0°/90° stacked rosette	
Base	φ10		φ8		φ5	
Gage (Grid)	3 × 1.3 mm		2 × 1.2 mm		1 × 1.1 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		10	

When ordering,
specify the model number as follows.

KFGS-□-120-□-□ Lead-wire Cable Code

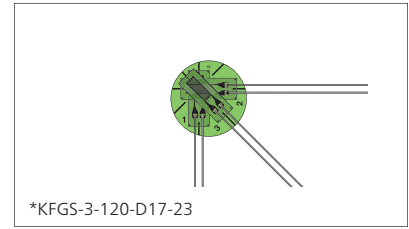
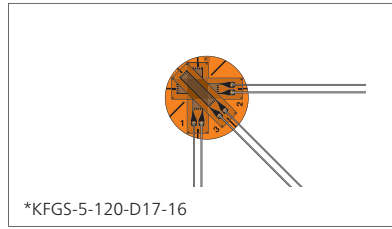
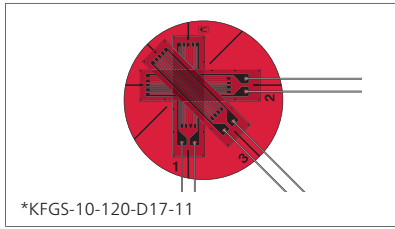
(e.g.)

KFGS-1-120-D16-11 L1M3S

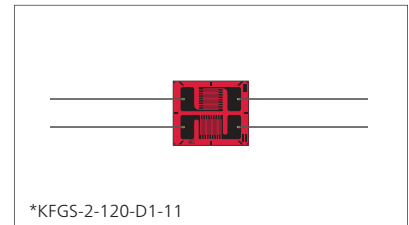
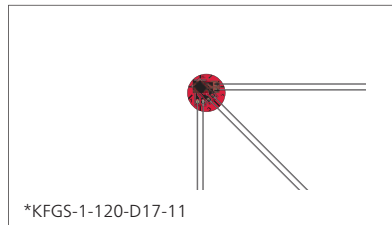
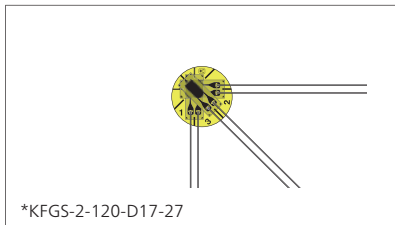
*Values in □ and lead-wire cable code cannot be arbitrarily combined.

Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
Vinyl-coated flat 3-wire cable L-7 (L-10 for 6 m or longer)	-10 to 80°C	1 m	L1M3R:L1M3S
		3 m	L3M3R:L3M3S
		5 m	L5M3R:L5M3S
Vinyl-coated flat 2-wire cable L-6 (L-9 for 6 m or longer)	-10 to 80°C	1 m	L1M2R:L1M2S
		3 m	L3M2R:L3M2S
		5 m	L5M2R:L5M2S
Mid-temperature 3-wire cable L-12	-100 to 150°C	1 m	R1M3
		3 m	R3M3
		5 m	R5M3
Mid-temperature 2-wire cable L-11	-100 to 150°C	1 m	R1M2
		3 m	R3M2
		5 m	R5M2
3 polyester-coated copper wires	-196 to 150°C	30 cm	N30C3
		50 cm, 1 m	N50C3
		1 m	N1M3
2 polyester-coated copper wires	-196 to 150°C	30 cm	N30C2
		50 cm	N50C2
		1 m	N1M2
Silver-covered copper wires	-196 to 150°C	25 mm	

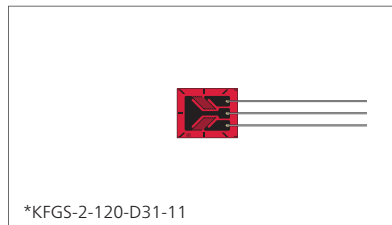
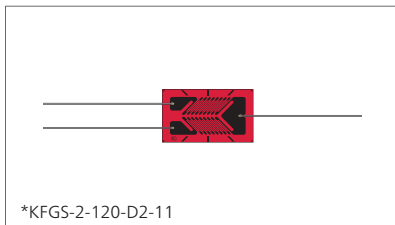
*Gage (Grid): Length × Width



Models	KFGS-10-120-D17- 11 16 23 27	KFGS-5-120-D17- 11 16 23 27	KFGS-3-120-D17- 11 16 23 27
Pattern	Triaxial, 0°/90°/45° stacked rosette for stress analysis		
Base	φ21		
Gage (Grid)	10 × 3 mm		
Resistance	120 Ω		
Pieces per Pack	10		

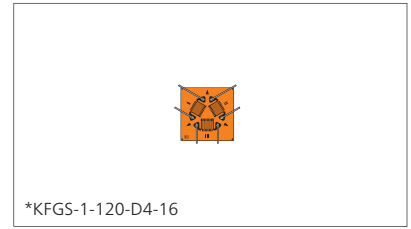
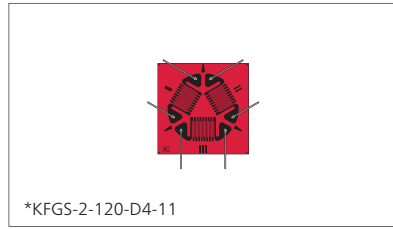
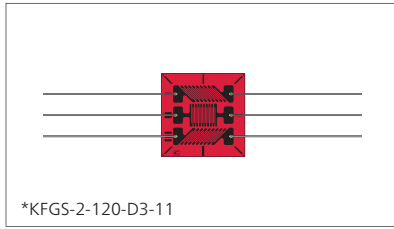


Models	KFGS-2-120-D17- 11 16 23 27	KFGS-1-120-D17- 11 16 23 27	KFGS-2-120-D1- 11 16 23 27
Pattern	Triaxial, 0°/90°/45° stacked rosette for stress analysis	Triaxial, 0°/90°/45° stacked rosette for stress analysis	Biaxial, 0°/90° plane arrangement
Base	φ8	φ5	10 × 8.5 mm
Gage (Grid)	2 × 1.2 mm	1 × 1.1 mm	2 × 3.2 mm
Resistance	120 Ω	120 Ω	120 Ω
Pieces per Pack	10	10	10

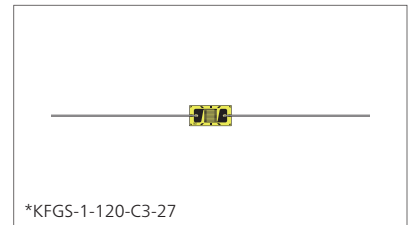
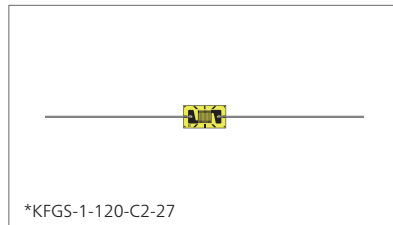
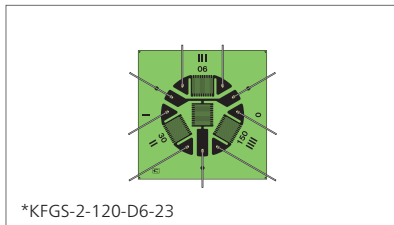


Models	KFGS-2-120-D2- 11 16 23 27	KFGS-2-120-D31- 11 16 23 27
Pattern	Biaxial, 0°/90° plane arrangement for torque measurement	Biaxial, 0°/90° plane arrangement for torque measurement
Base	12 × 7 mm	8 × 6.5 mm
Gage (Grid)	2 × 3.4 mm	2 × 1.2 mm
Resistance	120 Ω	120 Ω
Pieces per Pack	10	10

KFGS ● Triaxial, Quadraxial, Uniaxial with gage leads at both ends



Models	KFGS-2-120-D3-	11 16 23 27	KFGS-2-120-D4-	11 16 23 27	KFGS-1-120-D4-	11 16 23 27
Pattern	Triaxial, 0°/90°/45° plane arrangement		Triaxial, 0°/120°/240° plane arrangement		Triaxial, 0°/120°/240° plane arrangement	
Base	11 × 11 mm		12 × 12 mm		7 × 7 mm	
Gage (Grid)	2 × 3.6 mm		2 × 3.4 mm		1 × 1.7 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		10	



Models	KFGS-2-120-D6-	11 16 23 27	KFGS-1-120-C2-	11 16 23 27	KFGS-1-120-C3-	11 16 23 27
Pattern	Quadraxial, 0°/30°/90°/150° plane arrangement		Uniaxial, gage leads at both ends		Uniaxial, gage leads at both ends	
Base	17 × 17 mm		5.6 × 3 mm		5.5 × 2.7 mm	
Gage (Grid)	2 × 3.1 mm		1 × 1.8 mm		1 × 1.8 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		10	

When ordering,
specify the model number as follows.

KFGS-□-120-□-□ Lead-wire Cable Code

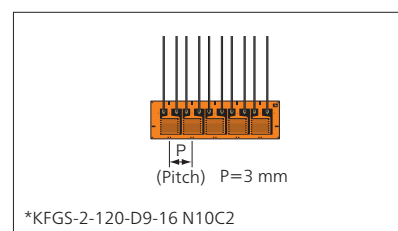
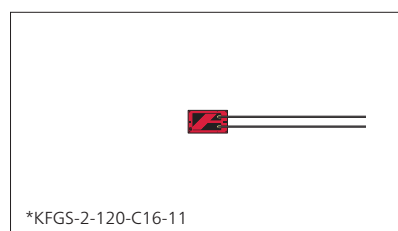
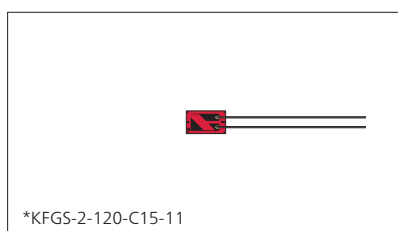
(e.g.)

KFGS-1-120-C3-11 L1M3R

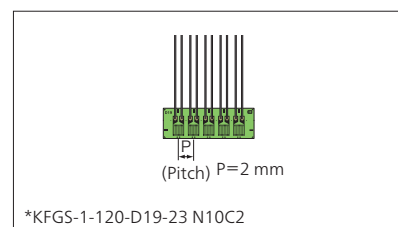
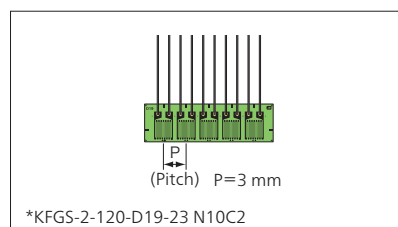
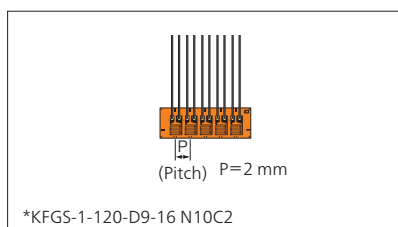
*Values in □ and lead-wire cable code cannot be arbitrarily combined.

Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
Vinyl-coated flat 3-wire cable L-7 (L-10 for 6 m or longer)	-10 to 80°C	1 m	L1M3R:L1M3S
		3 m	L3M3R:L3M3S
		5 m	L5M3R:L5M3S
Vinyl-coated flat 2-wire cable L-6 (L-9 for 6 m or longer)	-10 to 80°C	1 m	L1M2R:L1M2S
		3 m	L3M2R:L3M2S
		5 m	L5M2R:L5M2S
Mid-temperature 3-wire cable L-12	-100 to 150°C	1 m	R1M3
		3 m	R3M3
		5 m	R5M3
Mid-temperature 2-wire cable L-11	-100 to 150°C	1 m	R1M2
		3 m	R3M2
		5 m	R5M2
3 polyester-coated copper wires	-196 to 150°C	30 cm	N30C3
		50 cm	N50C3
		1 m	N1M3
2 polyester-coated copper wires	-196 to 150°C	30 cm	N30C2
		50 cm	N50C2
		1 m	N1M2
Silver-covered copper wires	-196 to 150°C	25 mm	

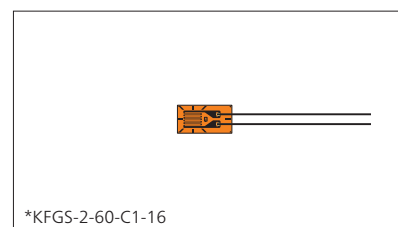
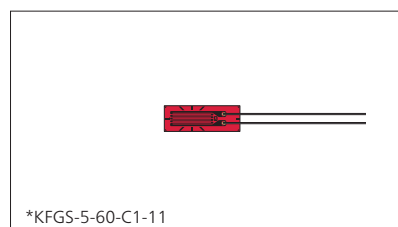
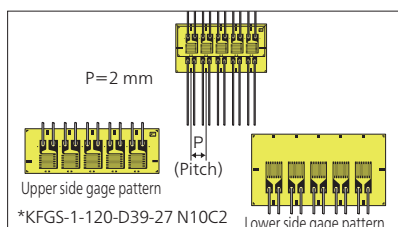
*Gage (Grid): Length × Width



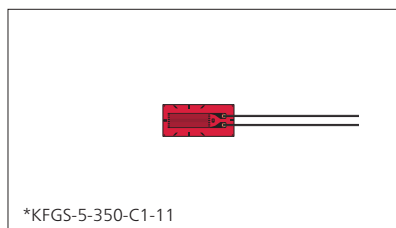
Models	KFGS-2-120-C15- 11 16 23 27 (Torque measurement possible in combination with C16)	KFGS-2-120-C16- 11 16 23 27 (Torque measurement possible in combination with C15)	KFGS-2-120-D9- 11 16 23 27 (Pre-attached type: 2 polyester-coated copper wires (10 cm) + the specified lead-wire cable)
Pattern	Uniaxial, for shearing strain measurement	Uniaxial, for shearing strain measurement	Uniaxial 5-element, for concentrated stress measurement
Base	5.2 × 3 mm	5.2 × 3 mm	17 × 5 mm
Gage (Grid)	2 × 0.8 mm	2 × 0.8 mm	2 × 2.2 mm
Resistance	120 Ω	120 Ω	120 Ω
Pieces per Pack	10	10	5



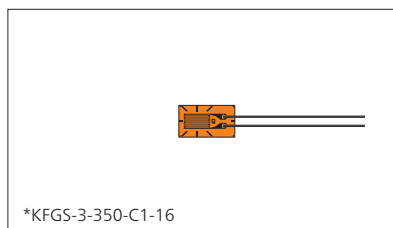
Models	KFGS-1-120-D9- 11 16 23 27 (Pre-attached type: 2 polyester-coated copper wires (10 cm) + the specified lead-wire cable)	KFGS-2-120-D19- 11 16 23 27 (Pre-attached type: 2 polyester-coated copper wires (10 cm) + the specified lead-wire cable)	KFGS-1-120-D19- 11 16 23 27 (Pre-attached type: 2 polyester-coated copper wires (10 cm) + the specified lead-wire cable)
Pattern	Uniaxial 5-element, stacked rosette for concentrated stress measurement	Uniaxial 5-element, for concentrated stress measurement	Uniaxial 5-element, for concentrated stress measurement
Base	12 × 4 mm	17 × 5 mm	12 × 4 mm
Gage (Grid)	1 × 1.4 mm	2 × 2.5 mm	1 × 1.5 mm
Resistance	120 Ω	120 Ω	120 Ω
Pieces per Pack	5	5	5



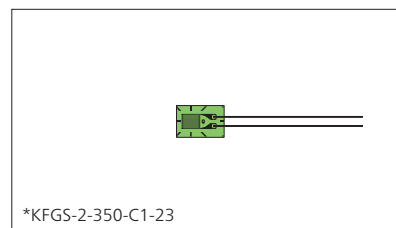
Models	KFGS-1-120-D39- 11 16 23 27 (Pre-attached type: 2 polyester-coated copper wires (10 cm) + the specified lead-wire cable)	KFGS-5-60-C1- 11 16 23 27 (Use 2 gages in series connection)	KFGS-2-60-C1- 11 16 23 27 (Use 2 gages in series connection)
Pattern	Biaxial 5-element, stacked rosette for concentrated stress measurement	Uniaxial	Uniaxial
Base	12 × 6.4 mm	10 × 3.4 mm	7.2 × 3.7 mm
Gage (Grid)	1 × 1.4 (1.5) mm * () indicates lower side gage.	5 × 2 mm	2 × 2.3 mm
Resistance	120 Ω	60 Ω	60 Ω
Pieces per Pack	5	10	10



*KFGS-5-350-C1-11

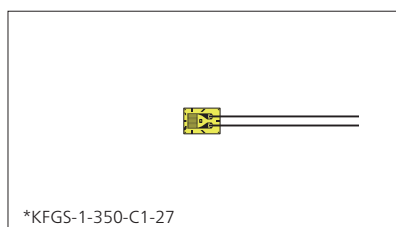


*KFGS-3-350-C1-16



*KFGS-2-350-C1-23

Models	KFGS-5-350-C1-	11 16 23 27	KFGS-3-350-C1-	11 16 23 27	KFGS-2-350-C1-	11 16 23 27
Pattern	Uniaxial		Uniaxial		Uniaxial	
Base	9.4 × 4.2 mm		7.4 × 4.2 mm		6.3 × 4.2 mm	
Gage (Grid)	5 × 2 mm		3 × 2 mm		2 × 2 mm	
Resistance	350 Ω		350 Ω		350 Ω	
Pieces per Pack	10		10		10	



*KFGS-1-350-C1-27

Models	KFGS-1-350-C1-	11 16 23 27
Pattern	Uniaxial	
Base	4.8 × 3.4 mm	
Gage (Grid)	1 × 2 mm	
Resistance	350 Ω	
Pieces per Pack	10	

When ordering,
specify the model number as follows.

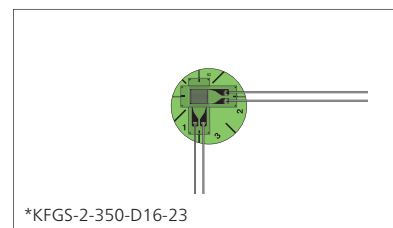
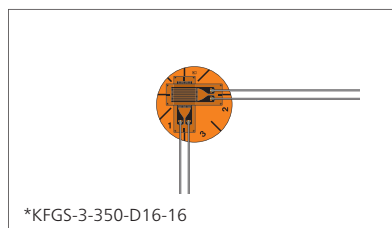
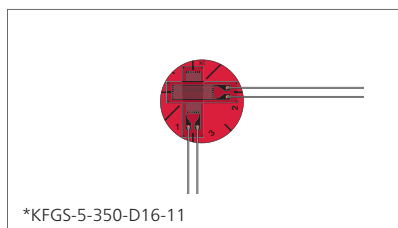
KFGS-□-350-□-□ Lead-wire Cable Code

(e.g.)

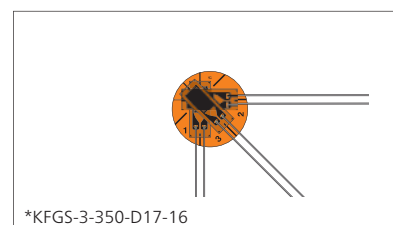
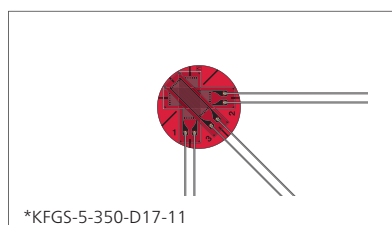
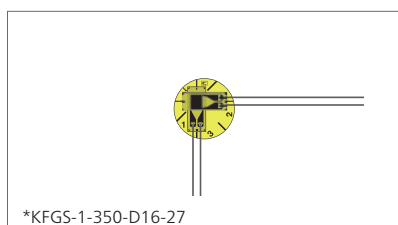
KFGS-1-350-C1-11 L1M3R

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

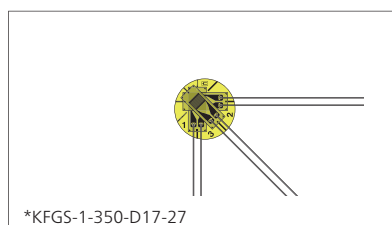
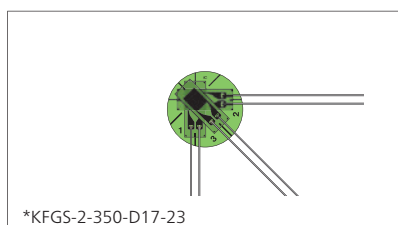
Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
Vinyl-coated flat 3-wire cable L-7 (L-10 for 6 m or longer)	-10 to 80°C	1 m	L1M3R
		3 m	L3M3R
		5 m	L5M3R
Vinyl-coated flat 2-wire cable L-6 (L-9 for 6 m or longer)	-10 to 80°C	1 m	L1M2R
		3 m	L3M2R
		5 m	L5M2R
Mid-temperature 3-wire cable L-12	-100 to 150°C	1 m	R1M3
		3 m	R3M3
		5 m	R5M3
Mid-temperature 2-wire cable L-11	-100 to 150°C	1 m	R1M2
		3 m	R3M2
		5 m	R5M2
3 polyester-coated copper wires	-196 to 150°C	30 cm	N30C3
		50 cm	N50C3
		1 m	N1M3
		10 cm	N10C2
2 polyester-coated copper wires	-196 to 150°C	30 cm	N30C2
		50 cm	N50C2
		1 m	N1M2
		25 mm	
Silver-covered copper wires	-196 to 150°C		



Models	KFGS-5-350-D16-11	11 16 23 27	KFGS-3-350-D16-16	11 16 23 27	KFGS-2-350-D16-23	11 16 23 27
Pattern	Biaxial, 0°/90° stacked rosette		Biaxial, 0°/90° stacked rosette		Biaxial, 0°/90° stacked rosette	
Base	φ 11		φ 10		φ 10	
Gage (Grid)	5 × 2 mm		3 × 2 mm		2 × 2 mm	
Resistance	350 Ω		350 Ω		350 Ω	
Pieces per Pack	10		10		10	

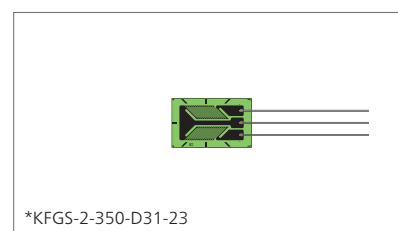
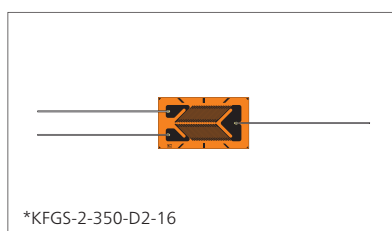
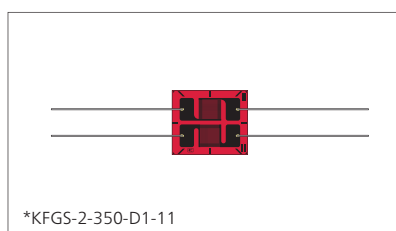


Models	KFGS-1-350-D16-27	11 16 23 27	KFGS-5-350-D17-11	11 16 23 27	KFGS-3-350-D17-16	11 16 23 27
Pattern	Biaxial, 0°/90° stacked rosette		Triaxial, 0°/90°/45° stacked rosette for stress analysis		Triaxial, 0°/90°/45° stacked rosette for stress analysis	
Base	φ 8		φ 11		φ 10	
Gage (Grid)	1 × 1.8 mm		5 × 2 mm		3 × 2 mm	
Resistance	350 Ω		350 Ω		350 Ω	
Pieces per Pack	10		10		10	



Models	KFGS-2-350-D17-23	11 16 23 27	KFGS-1-350-D17-27	11 16 23 27
Pattern	Triaxial, 0°/90°/45° stacked rosette for stress analysis		Triaxial, 0°/90°/45° stacked rosette for stress analysis	
Base	φ 10		φ 8	
Gage (Grid)	2 × 2 mm		1 × 1.8 mm	
Resistance	350 Ω		350 Ω	
Pieces per Pack	10		10	

KFGS ● Biaxial, Biaxial for torque measurement



Models	KFGS-2-350-D1-	11 16 23 27	KFGS-2-350-D2-	11 16 23 27	KFGS-2-350-D31-	11 16 23 27
Pattern	Biaxial, 0°/90° plane arrangement		Biaxial, 0°/90° plane arrangement for torque measurement		Biaxial, 0°/90° plane arrangement for torque measurement	
Base	10 × 8.5 mm		12 × 6.8 mm		10.5 × 6.5 mm	
Gage (Grid)	2 × 3 mm		2 × 4 mm		2 × 3 mm	
Resistance	350 Ω		350 Ω		350 Ω	
Pieces per Pack	10		10		10	

When ordering,
specify the model number as follows.

KFGS-□-350-□-□ Lead-wire Cable Code

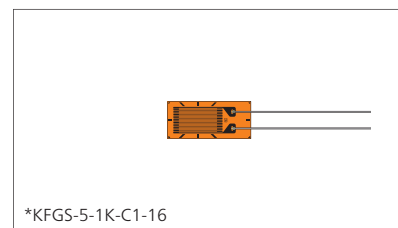
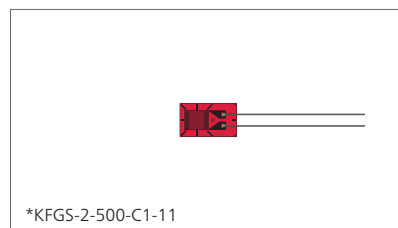
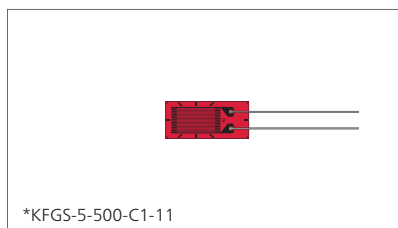
(e.g.)

KFGS-2-350-D17-11 L1M3S

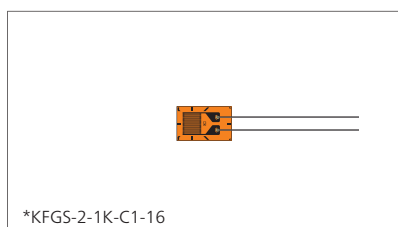
*Values in □ and lead-wire cable code cannot be arbitrarily combined.

Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
Vinyl-coated flat 3-wire cable L-7 (L-10 for 6 m or longer)	-10 to 80°C	1 m	L1M3R:L1M3S
		3 m	L3M3R:L3M3S
		5 m	L5M3R:L5M3S
Vinyl-coated flat 2-wire cable L-6 (L-9 for 6 m or longer)	-10 to 80°C	1 m	L1M2R:L1M2S
		3 m	L3M2R:L3M2S
		5 m	L5M2R:L5M2S
Mid-temperature 3-wire cable L-12	-100 to 150°C	1 m	R1M3
		3 m	R3M3
		5 m	R5M3
Mid-temperature 2-wire cable L-11	-100 to 150°C	1 m	R1M2
		3 m	R3M2
		5 m	R5M2
3 polyester-coated copper wires	-196 to 150°C	30 cm	N30C3
		50 cm, 1 m	N50C3
		1 m	N1M3
2 polyester-coated copper wires	-196 to 150°C	10 cm	N10C2
		30 cm	N30C2
		50 cm	N50C2
		1 m	N1M2
Silver-covered copper wires	-196 to 150°C	25 mm	

*Gage (Grid): Length × Width



Models	KFGS-5-500-C1-	11 16 23 27	KFGS-2-500-C1-	11 16 23 27	KFGS-5-1K-C1-	11 16 23 27
Pattern	Uniaxial, for transducers		Uniaxial, for transducers		Uniaxial, for transducers	
Base	11 × 4.9 mm		7.5 × 4.4 mm		11 × 4.9 mm	
Gage (Grid)	5 × 3.5 mm		2 × 2.6 mm		5 × 3.5 mm	
Resistance	500 Ω		500 Ω		1000 Ω	
Pieces per Pack	10		10		10	



Models	KFGS-2-1K-C1-	11 16 23 27
Pattern	Uniaxial, for transducers	
Base	7.2 × 4.5 mm	
Gage (Grid)	2 × 3 mm	
Resistance	1000 Ω	
Pieces per Pack	10	

When ordering,
specify the model number as follows.

KFGS-□-□-C1-□ Lead-wire Cable Code

e.g.

KFGS-2-1K-C1-11 L1M3R

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

Lead-wire Cable Type and Shape	Oprg. Temp.	Length	Code
Vinyl-coated flat 3-wire cable L-7 (L-10 for 6 m or longer)	-10 to 80°C	1 m	L1M3R
		3 m	L3M3R
		5 m	L5M3R
Vinyl-coated flat 2-wire cable L-6 (L-9 for 6 m or longer)	-10 to 80°C	1 m	L1M2R
		3 m	L3M2R
		5 m	L5M2R
Mid-temperature 3-wire cable L-12	-100 to 150°C	1 m	R1M3
		3 m	R3M3
		5 m	R5M3
Mid-temperature 2-wire cable L-11	-100 to 150°C	1 m	R1M2
		3 m	R3M2
		5 m	R5M2
3 polyester-coated copper wires	-196 to 150°C	30 cm	N30C3
		50 cm, 1 m	N50C3
		1 m	N1M3
2 polyester-coated copper wires	-196 to 150°C	30 cm	N30C2
		50 cm	N50C2
		1 m	N1M2
Silver-covered copper wires	-196 to 150°C	25 mm	

*Gage (Grid): Length × Width