

Waterproof Strain Gages

KFWB

- Gage Factor Approx. 2.1
- Applicable Linear Expansion Coefficients ($\times 10^{-6}/^{\circ}\text{C}$) 11, 16, 23
- Self-temperature-compensation Range 10 to 80°C

Applicable Adhesives and Operating Temperature Ranges

CC-33A: -10 to 80°C
 CC-36: -10 to 80°C
 EP-340: -10 to 80°C

Waterproof Foil Strain Gages

RoHS

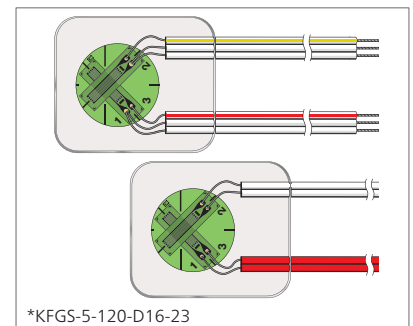
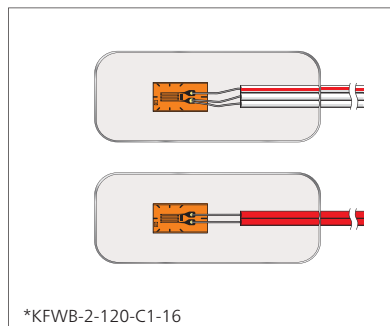
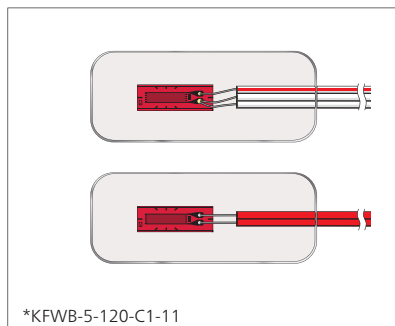
The surface of the KFWB series foil strain gage is covered with a special waterproof resin. The waterproof structure enables these gages to serve for outdoor or underwater measurement merely by being bonded to measuring objects. (The insulation resistance shows virtually no deterioration even after 100 hours of use under an underwater pressure of approximately 10 MPa.) In addition, the covering resin is flexible enough to enable easy bonding to curved surfaces.

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

Type	Vinyl-coated flat 2-wire cable		Vinyl-coated flat 3-wire cable	
Length	C1	D16, D17	C1	D16, D17
15 cm	L15C2R	L15C2S	L15C3R	L15C3S
30 cm	L30C2R	L30C2S	L30C3R	L30C3S
1 m	L1M2R	L1M2S	L1M3R	L1M3S
3 m	L3M2R	L3M2S	L3M3R	L3M3S
5 m	L5M2R	L5M2S	L5M3R	L5M3S
Operating temp.	-10 to 80°C			
Remarks	L-6 L-9 for ≥ 6 m		L-7 L-10 for ≥ 6 m	

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

KFWB ● Uniaxial, Biaxial



Models	KFWB-5-120-C1-	11 16 23	KFWB-2-120-C1-	11 16 23	KFWB-5-120-D16-	11 16 23
Pattern	Uniaxial		Uniaxial		Biaxial, $0^{\circ}/90^{\circ}$ stacked rosette	
Base	30×12 mm		30×12 mm		21×18 mm	
Gage (Grid)	5×1.4 mm		2×1.2 mm		5×1.4 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	10		10		5	

When ordering,
specify the model number as follows.

KFWB-□-120-□-□ Lead-wire Cable Code

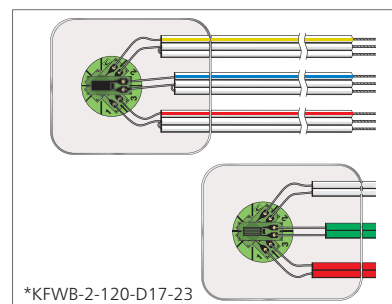
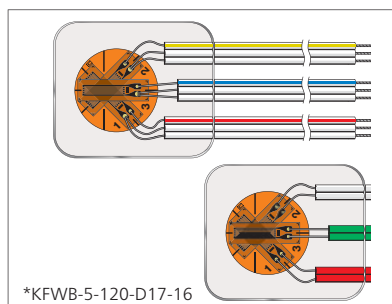
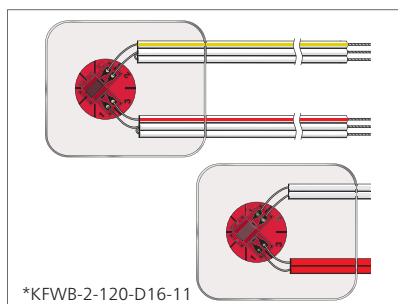
(e.g.)

KFWB-5-120-C1-11 L1M3R

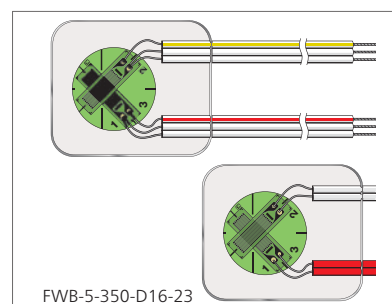
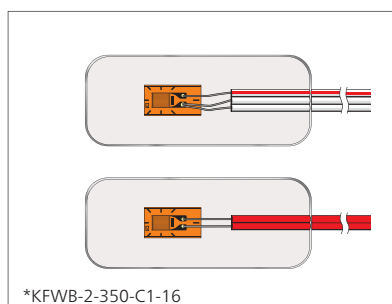
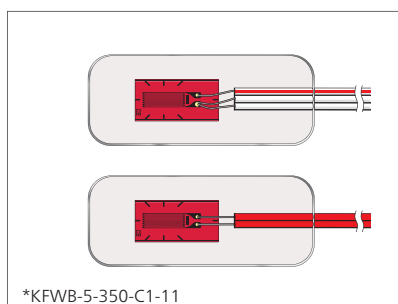
*Values in □ and lead-wire cable code cannot be arbitrarily combined.

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;L1M3S
 or 		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

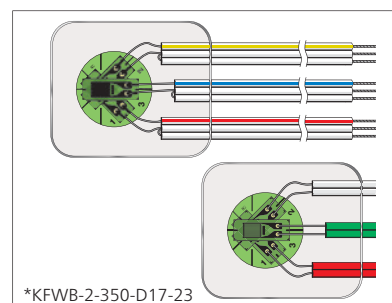
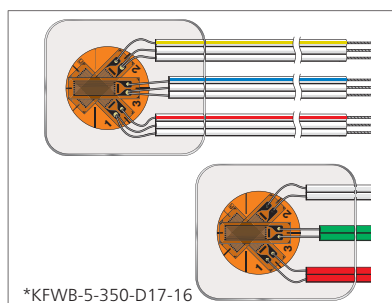
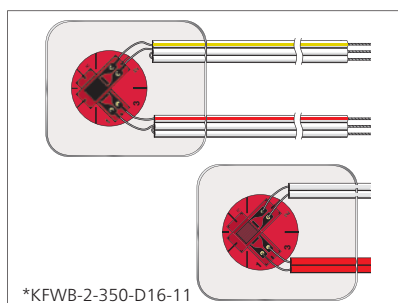
*Gage (Grid): Length $\times$ Width



Models	KFWB-2-120-D16-	11 16 23	KFWB-5-120-D17-	11 16 23	KFWB-2-120-D17-	11 16 23
Pattern	Biaxial, 0°/90° stacked rosette		Triaxial, 0°/45°/90° stacked rosette		Triaxial, 0°/45°/90° stacked rosette	
Base	21 × 18 mm		21 × 18 mm		21 × 18 mm	
Gage (Grid)	2 × 1.2 mm		5 × 1.4 mm		2 × 1.2 mm	
Resistance	120 Ω		120 Ω		120 Ω	
Pieces per Pack	5		5		5	



Models	KFWB-5-350-C1-	11 16 23	KFWB-2-350-C1-	11 16 23	KFWB-5-350-D16-	11 16 23
Pattern	Uniaxial		Uniaxial		Biaxial, 0°/90° stacked rosette	
Base	30 × 12 mm		30 × 12 mm		21 × 18 mm	
Gage (Grid)	5 × 2 mm		2 × 2 mm		5 × 2 mm	
Resistance	350 Ω		350 Ω		350 Ω	
Pieces per Pack	10		10		5	



Models	KFWB-2-350-D16-	11 16 23	KFWB-5-350-D17-	11 16 23	KFWB-2-350-D17-	11 16 23
Pattern	Biaxial, 0°/90° stacked rosette		Triaxial, 0°/45°/90° stacked rosette		Triaxial, 0°/45°/90° stacked rosette	
Base	21 × 18 mm		21 × 18 mm		21 × 18 mm	
Gage (Grid)	2 × 2 mm		5 × 2 mm		2 × 2 mm	
Resistance	350 Ω		350 Ω		350 Ω	
Pieces per Pack	5		5		5	