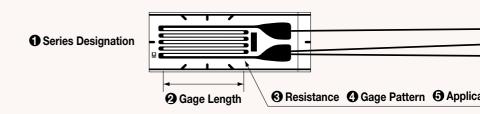
## Strain Gage Model Number Coding System



# **KFG**

### Series Designation

KFG: General-purpose foil strain gage KFGT: Foil strain gage with temp. sensor

KFR: Foil strain gage

KFW: Waterproof foil strain gage

KFWS: Small waterproof foil strain gage

KCW: Weldable waterproof foil strain gage

KC: Wire strain gage

KM: Embedded foil strain gage for concrete

KMC: Embedded wire strain gage for concrete KFRP: Foil strain gage for composite materials

KFRS Foil strain gage for printed boards

KFP: Foil strain gage for plastics

KFML: Foil strain gage for low-elasticity materials

KSP: Semiconductor strain gage

KSN: Self-temperature-compensation semiconductor strain gage

KSPH: High-output semiconductor strain gage

KSPL: Ultralinear semiconductor strain gage

KHCX: Encapsulated strain gage

KHCD: Encapsulated strain gage

KHCS: Encapsulated strain gage

KHCM: Encapsulated strain gage

KHC: Encapsulated strain gage

KFU: High-temperature foil strain gage

KH: Weldable high-temp. foil strain gage

KFH: High-temperature foil strain gage

KFL: Low-temperature foil strain gage

KLM: Ultrahigh-elongation wire strain gage

KFEL: High-elongation foil strain gage

KFN: Noninductive foil strain gage

KFS: Shielded foil strain gage

KFF: Foil bending strain gage

KCH: Foil strain gage with protector

KMP: Embedded foil strain gage for plastics

KTB: Temperature gage

KV: Crack gage

## 2 Gage Length

015: 0.15mm

02N: 0.2mm

02: 0.2mm

03: 0.3mm 05: 0.5mm

1N: 1mm

1: 1mm 1.5: 1.5mm

2N: 2mm

2: 2mm

3: 3mm

4N: 4mm

4: 4mm

5: 5mm

6: 6mm 7: 7mm

9: 9mm

10: 10mm

20: 20mm

30: 30mm 60: 60mm

70: 70mm

80: 80mm

120: 120mm

#### Resistance

50: 50Ω 60:  $60\Omega$ 

120:  $120\Omega$ 

200:  $200\Omega$ 

350: 350 $\Omega$ 500:  $500\Omega$ 

1K: 1000Ω

2K: 2000Ω

10K: 10000Ω

# Gage Pattern

A1: Uniaxial, leads at one end (KC, KTB gages

A9: Uniaxial, leads at one end (KLM gage)

C1: Uniaxial, leads at one end (foil gage)

C2: Uniaxial 90°, lead at both ends

C3: Uniaxial 0°, lead at both ends

C9: Uniaxial, leads at one end (KFN gage)

C11: Uniaxial, 2-element, 1mm thick (KFF gage)

C12: Uniaxial, 2-element, 2mm thick (KFF gage)

C15: Uniaxial right 45°, for shearing strain, leads at one end

C16: Uniaxial left 45°, for shearing strain, leads at one end C20: Uniaxial, leads at a side (for bolt axial tension)

D1: Biaxial 0°/90°, lead at both ends

D2: Biaxial 0°/90°, lead at both ends (for torque)

D3: Triaxial 0°/90°/45°, lead at both ends, plane arrangement D4: Triaxial 0°/120°/240°, plane arrangement

D6: Quadraxial 0°/30°/90°/150°

D9: Uniaxial 5-element 90°

D16: Biaxial 0°/90° stacked rosette, round base

D17: Triaxial 0°/90°/45° stacked rosette, round base

D19: Uniaxial 5-element 0°

D20: Biaxial 0°/90° (KFN gage)

D22: Triaxial 0°/90°/45°, plane arrangement

D25: Triaxial 0°/90°/45°, plane arrangement

D28: Triaxial 0°/135°/90°, plane arrangement (for boring)

D29: Biaxial 0°/90°, leads at one end, plane arrangement

D30: Triaxial 0°/90°/45°, leads at one end, plane arrangement

D31: Biaxial 0°/90°, leads at one end (for torque) D39: Biaxial 5-element 0°/90°

E3: Uniaxial, lead at both ends (semiconductor gage)

E4: Uniaxial, leads at one end (semiconductor gage)

E5: Uniaxial, lead at both ends with no base (semiconductor gage)

F2: Uniaxial 2-element (semiconductor gage) F3: Biaxial 0°/90° (semiconductor gage)

G4: Uniaxial, leads at one end (KH-G4)

G8: Uniaxial active/dummy 2-element, Inconel (for KHC) G9: Uniaxial active/dummy 2-element, SUS (for KHC)

G10: Uniaxial (for KCW)

G11: Uniaxial (for KHCD)

G12: Uniaxial active/dummy 2-element (for KHCS)

G13: Uniaxial active/dummy 2-element (for KHCX)

G14: Full-bridge (for KCW)

G15: Uniaxial active/dummy 2-element (for KHCM)

H1: Uniaxial (for KM-30)

H2: Uniaxial (for KM-120)

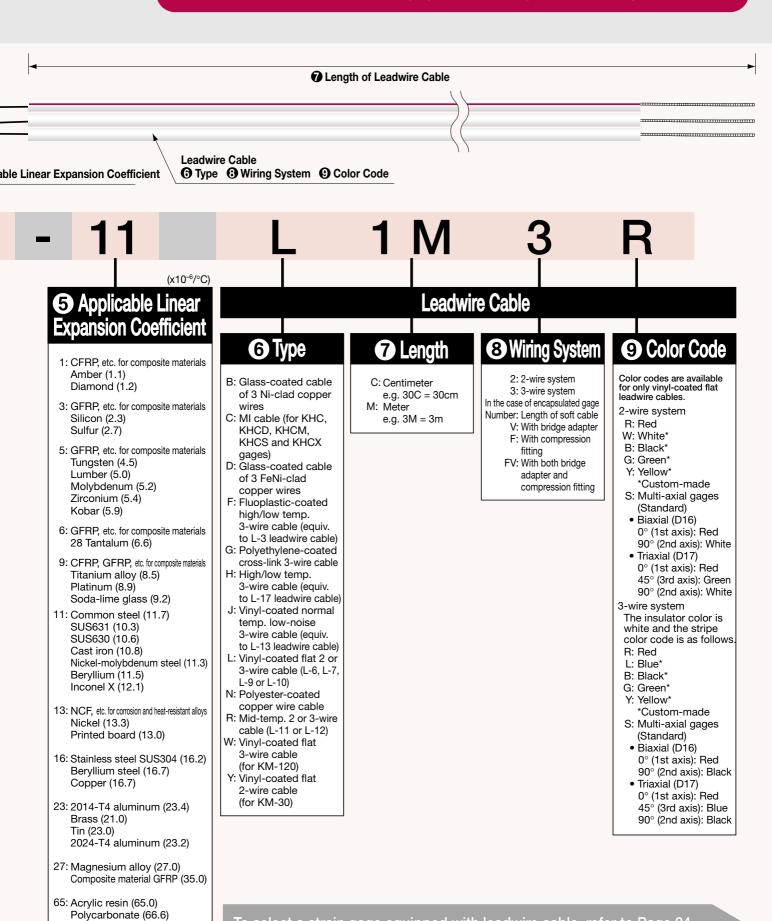
H3: Uniaxial (for KMC)

H4: Uniaxial with T thermocouple (for KMC)

J1: Uniaxial (for KFS)

Note: Combination of codes is limited and menu options cannot freely be selected.

To select the most suitable strain gage and related products, refer to Pages 18 to 31.



To select a strain gage equipped with leadwire cable, refer to Page 24.

To select a strain gage and leadwire cable separately, refer to Page 26.