

Strain Gages for Concrete

KC

RoHS

● Gage Factor	Approx. 2.1
● Applicable Linear Expansion Coefficients ($\times 10^{-6}/^{\circ}\text{C}$)	11
● Self-temperature-compensation Range	10 to 60°C

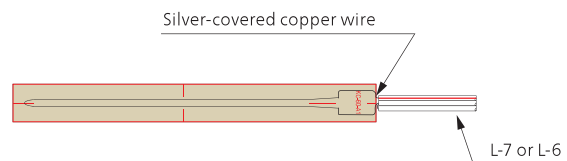
Applicable Adhesives and Operating Temperature Ranges
CC-35: -30 to 120°C

Wire Strain Gages
Featuring a longer gage length, the KC series gages are wire strain gages suitable for mean strain measurement of concrete under test. Usually, a model with the gage length over 3 times longer than the maximum diameter of the aggregate is selected for the purpose.

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

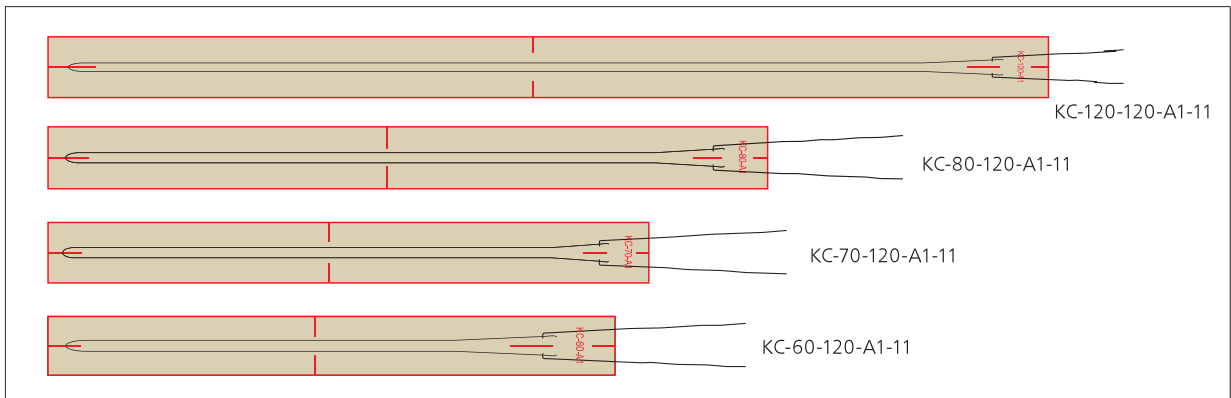
Type	Vinyl-coated flat 2-wire cable	Vinyl-coated flat 3-wire cable
Length	A1	
15 cm	L15C2R	L15C3R
30 cm	L30C2R	L30C3R
1 m	L1M2R	L1M3R
3 m	L3M2R	L3M3R
5 m	L5M2R	L5M3R
Operating temp.	-10 to 80°C	
Remarks	L-6 L-9 for ≥ 6 m	L-7 L-10 for ≥ 6 m

KC with a vinyl-coated 3-wire or 2-wire cable



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

KC ● Uniaxial



Models	KC-120-120-A1-11	KC-80-120-A1-11	KC-70-120-A1-11	KC-60-120-A1-11
Pattern	Uniaxial	Uniaxial	Uniaxial	Uniaxial
Base	132 × 8 mm	95 × 8 mm	80 × 8 mm	74 × 8 mm
Gage (Grid)	120 × 0.6 mm	84 × 0.6 mm	67 × 0.6 mm	60 × 0.6 mm
Resistance	120 Ω	120 Ω	120 Ω	120 Ω
Pieces per Pack	10	10	10	10

When ordering, specify the model number as follows.

KC-□-120-A1-11 Lead-wire Cable Code

(e.g.)

KC-120-120-A1-11 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
Silver-covered copper wires	-196 to 150°C	25 mm	

*Gage (Grid): Length × Width