

# Gages for Concrete

# KC

- Gage Factor Approx. 2.1
- Applicable Linear Expansion Coefficient 11
- Self-temperature-compensation Range 10 to 60°C

**Applicable Adhesives and Operating Temperature Ranges**  
 PC-12: -196 to 150°C  
 CC-35: -30 to 120°C

■ Types, lengths and codes of leadwire cables pre-attached to KC gages

Length	Type	Vinyl-coated flat 2-wire cable	Vinyl-coated flat 3-wire cable
	A1		
15 cm		L15C2R	L15C3R
30		L30C2R	L30C3R
50		L50C2R	L50C3R
1 m		L1M2R	L1M3R
2		L2M2R	L2M3R
3		L3M2R	L3M3R
4		L4M2R	L4M3R
5		L5M2R	L5M3R
6		L6M2R	L6M3R
8		L8M2R	L8M3R
10		L10M2R	L10M3R
15		L15M2R	L15M3R
20		L20M2R	L20M3R
30 m		L30M2R	L30M3R
Oprg. temp. range		-10 to 80°C	
Remarks		L-6; L-9 for 6m or longer	L-7; L-10 for 6m or longer

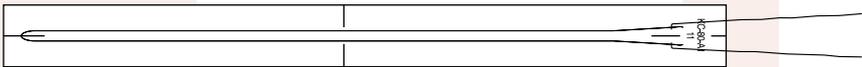
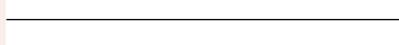
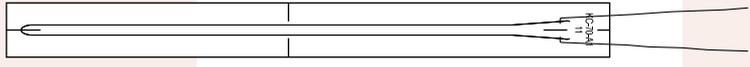
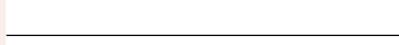
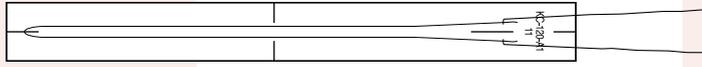
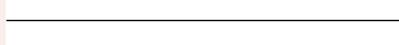
## ■ Wire Strain Gages

Featuring a longer gage length, the KC 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.

## KC Gages ● Uniaxial 120Ω

Pattern	Leadwire Cable - Type and Shape	Operating Temp. Range	Leadwire Length	Model
KC-120-120-A1-11		-10 to 80°C	1m	KC-120-120-A1-11 L1M3R
			3m	KC-120-120-A1-11 L3M3R
			5m	KC-120-120-A1-11 L5M3R
		-10 to 80°C	1m	KC-120-120-A1-11 L1M2R
			3m	KC-120-120-A1-11 L3M2R
			5m	KC-120-120-A1-11 L5M2R
<b>Uniaxial</b> ● Base Size 132 x 6 mm ● Gage Length 120 mm ● Gage Resistance 120Ω ● Pieces per Pack 10		-196 to 150°C	25mm	KC-120-120-A1-11

# KC Gages ● Uniaxial 120Ω

Pattern	Leadwire Cable – Type and Shape	Operating Temp. Range	Leadwire Length	Model	
<b>KC-80-120-A1-11</b>  <b>Uniaxial</b> ● Base Size 95 x 8 mm ● Gage Length 84 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	KC-80-120-A1-11 L1M3R	
	 Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)		3m	KC-80-120-A1-11 L3M3R	
	 Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)		5m	KC-80-120-A1-11 L5M3R	
	 Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	-10 to 80°C	1m	KC-80-120-A1-11 L1M2R	
			 Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	3m	KC-80-120-A1-11 L3M2R
			 Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	5m	KC-80-120-A1-11 L5M2R
		 Silver-clad copper wires	-196 to 150°C	25mm	KC-80-120-A1-11
	<b>KC-70-120-A1-11</b>  <b>Uniaxial</b> ● Base Size 80 x 7.5 mm ● Gage Length 67 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	KC-70-120-A1-11 L1M3R
		 Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)		3m	KC-70-120-A1-11 L3M3R
		 Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)		5m	KC-70-120-A1-11 L5M3R
 Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)		-10 to 80°C	1m	KC-70-120-A1-11 L1M2R	
			 Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	3m	KC-70-120-A1-11 L3M2R
			 Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	5m	KC-70-120-A1-11 L5M2R
		 Silver-clad copper wires	-196 to 150°C	25mm	KC-70-120-A1-11
<b>KC-60-120-A1-11</b>  <b>Uniaxial</b> ● Base Size 74 x 8 mm ● Gage Length 60 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	KC-60-120-A1-11 L1M3R
		 Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)		3m	KC-60-120-A1-11 L3M3R
		 Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)		5m	KC-60-120-A1-11 L5M3R
	 Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	-10 to 80°C	1m	KC-60-120-A1-11 L1M2R	
			 Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	3m	KC-60-120-A1-11 L3M2R
			 Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)	5m	KC-60-120-A1-11 L5M2R
		 Silver-clad copper wires	-196 to 150°C	25mm	KC-60-120-A1-11