

## 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

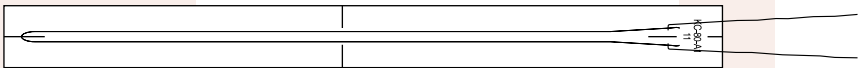



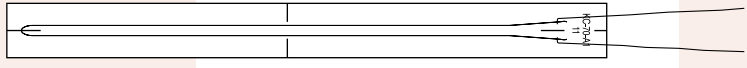


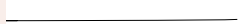
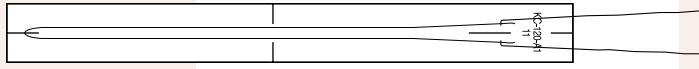


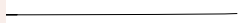
### Wire Strain Gages

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	
	Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer) 		3m	KC-120-120-A1-11 L3M3R	
			5m	KC-120-120-A1-11 L5M3R	
	Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer) 	-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	
	Uniaxial ● Base Size <span style="float: right;">132 x 6 mm</span> ● Gage Length <span style="float: right;">120 mm</span> ● Gage Resistance <span style="float: right;">120Ω</span> ● Pieces per Pack <span style="float: right;">10</span>	Silver-clad copper wires 	-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		
 <p><b>KC-80-120-A1-11</b></p> <p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size 95 x 8 mm</li> <li>● Gage Length 84 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>	<p>Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)</p> 	-10 to 80°C	1m	KC-80-120-A1-11 L1M3R		
				3m	KC-80-120-A1-11 L3M3R	
				5m	KC-80-120-A1-11 L5M3R	
		<p>Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)</p> 	-10 to 80°C	1m	KC-80-120-A1-11 L1M2R	
				3m	KC-80-120-A1-11 L3M2R	
				5m	KC-80-120-A1-11 L5M2R	
		<p>Silver-clad copper wires</p> 	-196 to 150°C	25mm	KC-80-120-A1-11	
	 <p><b>KC-70-120-A1-11</b></p> <p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size 80 x 7.5 mm</li> <li>● Gage Length 67 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>	<p>Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)</p> 	-10 to 80°C	1m	KC-70-120-A1-11 L1M3R	
					3m	KC-70-120-A1-11 L3M3R
					5m	KC-70-120-A1-11 L5M3R
		<p>Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)</p> 	-10 to 80°C	1m	KC-70-120-A1-11 L1M2R	
				3m	KC-70-120-A1-11 L3M2R	
				5m	KC-70-120-A1-11 L5M2R	
		<p>Silver-clad copper wires</p> 	-196 to 150°C	25mm	KC-70-120-A1-11	
 <p><b>KC-60-120-A1-11</b></p> <p><b>Uniaxial</b></p> <ul style="list-style-type: none"> <li>● Base Size 74 x 8 mm</li> <li>● Gage Length 60 mm</li> <li>● Gage Resistance 120Ω</li> <li>● Pieces per Pack 10</li> </ul>		<p>Vinyl-coated flat 3-wire cable L-7 (L-10 for 6m or longer)</p> 	-10 to 80°C	1m	KC-60-120-A1-11 L1M3R	
					3m	KC-60-120-A1-11 L3M3R
					5m	KC-60-120-A1-11 L5M3R
		<p>Vinyl-coated flat 2-wire cable L-6 (L-9 for 6m or longer)</p> 	-10 to 80°C	1m	KC-60-120-A1-11 L1M2R	
				3m	KC-60-120-A1-11 L3M2R	
				5m	KC-60-120-A1-11 L5M2R	
		<p>Silver-clad copper wires</p> 	-196 to 150°C	25mm	KC-60-120-A1-11	