
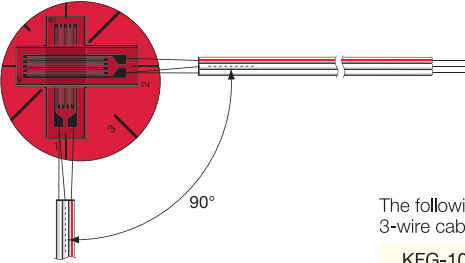
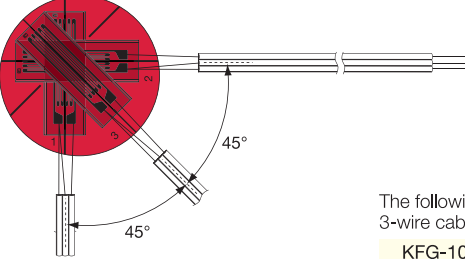



# Gages for Concrete



| Pattern,<br>Gage Resistance, Gage Factor   | Model  | Dimensions (mm)                |                   |                                |                                | Remarks |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
|--|--|--------------------------------|-------------------|--------------------------------|--------------------------------|---------|-------------------------|--------------------------------|--------------------------------|------|--------------------------------|--------------------------------|----|-----|----|-----|-----------------|----|-----|--------|---|--|-------|--------|--------|-----|-------|-------|----|--------|--------|---|-------|-------|----|--------|--------|---|-------|-------|-----|-------|-------|----|--------|--------|---|-------|-------|----|--------|--------|---|-------|-------|----|--------|--------|---|-------|-------|----|--------|--------|---|-------|-------|------|--------|--------|---|-------|-------|--|--|--|-------------------|----------|--|-------------------|----------|--|---------|----------------------------|-----------------------------|---------|----------------------------|-----------------------------|
|  |  | Grid                           |                   | Base                           |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
|  |  | Length                         | Width             | Length                         | Width                          |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| <p><b>●KFG Series General-purpose Foil Strain Gages</b></p> <p>※For the types and lengths of leadwire cables, refer to page 1-17.</p> <p>Listed here are the KFG series gages with a suitable leadwire cable for strain measurement of concrete.</p> <p><b>Applicable Adhesives and Operating Temperature Range after Curing (with vinyl-coated flat cable)</b><br/>           PC-12B : -10~80°C    CC-35 : -10~80°C</p> <p>Notes on pre-attached leadwire cables</p> <ul style="list-style-type: none"> <li>●Standard color of the 2-wire cable pre-attached to uniaxial gages is red (R). If desired, a white, green, yellow or black cable can be pre-attached.</li> <li>●Standard 3-wire cable pre-attached to uniaxial gages has red stripes (R). If desired, the red stripes can be changed to blue or yellow stripes.</li> <li>●In the case of a biaxial gage, 2-wire cables are color-coded with red and white stripes for 0° and 90°, respectively and 3-wire cables, with red and yellow stripes for 0° and 90°, respectively. Letter code is S in common.</li> <li>●In the case of a triaxial gage, 2-wire cables are color-coded with red, white and green stripes for 0° and 90° and 45°, respectively and 3-wire cables, with red, yellow and blue stripes for 0° and 90° and 45°, respectively. Letter code is S in common.</li> </ul> <p>The following models with the leadwire cable code L1M3R are delivered with a vinyl-coated flat 3-wire cable 1 m long pre-attached.</p>  |  |                                |                   |                                |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| <p><b>Uniaxial</b><br/>Resistance : 120Ω, Gage factor : Approx. 2.1</p>   | <table border="1"> <tr> <td>KFG-30-120-C1-11 L1M3R</td> <td>30</td> <td>3.3</td> <td>37</td> <td>5.2</td> </tr> <tr> <td>KFG-20-120-C1-11 L1M3R</td> <td>20</td> <td>5</td> <td>28</td> <td>8</td> </tr> <tr> <td>KFG-10-120-C1-11 L1M3R</td> <td>10</td> <td>3</td> <td>16</td> <td>5.2</td> </tr> </table>   | KFG-30-120-C1-11 L1M3R         | 30                | 3.3                            | 37                             | 5.2     | KFG-20-120-C1-11 L1M3R  | 20                             | 5                              | 28   | 8                              | KFG-10-120-C1-11 L1M3R         | 10 | 3   | 16 | 5.2 |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| KFG-30-120-C1-11 L1M3R   | 30   | 3.3                            | 37                | 5.2                            |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| KFG-20-120-C1-11 L1M3R   | 20   | 5                              | 28                | 8                              |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| KFG-10-120-C1-11 L1M3R   | 10   | 3                              | 16                | 5.2                            |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| <p><b>Biaxial, 0°/90° stacked rosette</b>    Resistance : 120Ω, Gage factor : Approx. 2,1</p>  <p>The following model with the leadwire cable code L1M3S is delivered with a vinyl-coated flat 3-wire cable 1 m long pre-attached.</p> <table border="1"> <tr> <td>KFG-10-120-D16-11 L1M3S</td> <td>10</td> <td>3</td> <td colspan="2">φ21</td> </tr> </table>   |  |                                |                   |                                |                                |         | KFG-10-120-D16-11 L1M3S | 10                             | 3                              | φ21  |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| KFG-10-120-D16-11 L1M3S  | 10   | 3                              | φ21               |                                |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| <p><b>Triaxial, 0°/90°/45° stacked rosette</b>    Resistance : 120Ω, Gage factor : Approx. 2.1</p>  <p>The following model with the leadwire cable code L1M3S is delivered with a vinyl-coated flat 3-wire cable 1 m long pre-attached.</p> <table border="1"> <tr> <td>KFG-10-120-D17-11 L1M3S</td> <td>10</td> <td>3</td> <td colspan="2">φ21</td> </tr> </table>   |  |                                |                   |                                |                                |         | KFG-10-120-D17-11 L1M3S | 10                             | 3                              | φ21  |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| KFG-10-120-D17-11 L1M3S  | 10   | 3                              | φ21               |                                |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| <p><b>●KC Series Wire Strain Gages</b></p> <p>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.</p> <p><b>Applicable Adhesives and Operating Temperature Range after Curing</b><br/>           PC-12B : -196~150°C    CC-35 : -30~120°C</p> <p>■Types, lengths and codes of leadwire cables pre-attached to KC series gages</p> <table border="1"> <thead> <tr> <th rowspan="2">Type</th> <th>Vinyl-coated flat 2-wire cable</th> <th>Vinyl-coated flat 3-wire cable</th> <th rowspan="2">Type</th> <th>Vinyl-coated flat 2-wire cable</th> <th>Vinyl-coated flat 3-wire cable</th> </tr> <tr> <th colspan="2">A1</th> <th colspan="2">A1</th> </tr> <tr> <th>Length</th> <th colspan="2"></th> <th>Length</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>15 cm</td> <td>L15C2R</td> <td>L15C3R</td> <td>7 m</td> <td>L7M2R</td> <td>L7M3R</td> </tr> <tr> <td>30</td> <td>L30C2R</td> <td>L30C3R</td> <td>8</td> <td>L8M2R</td> <td>L8M3R</td> </tr> <tr> <td>50</td> <td>L50C2R</td> <td>L50C3R</td> <td>9</td> <td>L9M2R</td> <td>L9M3R</td> </tr> <tr> <td>1 m</td> <td>L1M2R</td> <td>L1M3R</td> <td>10</td> <td>L10M2R</td> <td>L10M3R</td> </tr> <tr> <td>2</td> <td>L2M2R</td> <td>L2M3R</td> <td>15</td> <td>L15M2R</td> <td>L15M3R</td> </tr> <tr> <td>3</td> <td>L3M2R</td> <td>L3M3R</td> <td>20</td> <td>L20M2R</td> <td>L20M3R</td> </tr> <tr> <td>4</td> <td>L4M2R</td> <td>L4M3R</td> <td>25</td> <td>L25M2R</td> <td>L25M3R</td> </tr> <tr> <td>5</td> <td>L5M2R</td> <td>L5M3R</td> <td>30 m</td> <td>L30M2R</td> <td>L30M3R</td> </tr> <tr> <td>6</td> <td>L6M2R</td> <td>L6M3R</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Oprg. temp. range</td> <td colspan="2">-10~80°C</td> <td>Oprg. temp. range</td> <td colspan="2">-10~80°C</td> </tr> <tr> <td>Remarks</td> <td>L-6, L-9 for 6 m or longer</td> <td>L-7, L-10 for 6 m or longer</td> <td>Remarks</td> <td>L-6, L-9 for 6 m or longer</td> <td>L-7, L-10 for 6 m or longer</td> </tr> </tbody> </table> |  |                                |                   |                                |                                |         | Type                    | Vinyl-coated flat 2-wire cable | Vinyl-coated flat 3-wire cable | Type | Vinyl-coated flat 2-wire cable | Vinyl-coated flat 3-wire cable | A1 |     | A1 |     | Length          |    |     | Length |   |  | 15 cm | L15C2R | L15C3R | 7 m | L7M2R | L7M3R | 30 | L30C2R | L30C3R | 8 | L8M2R | L8M3R | 50 | L50C2R | L50C3R | 9 | L9M2R | L9M3R | 1 m | L1M2R | L1M3R | 10 | L10M2R | L10M3R | 2 | L2M2R | L2M3R | 15 | L15M2R | L15M3R | 3 | L3M2R | L3M3R | 20 | L20M2R | L20M3R | 4 | L4M2R | L4M3R | 25 | L25M2R | L25M3R | 5 | L5M2R | L5M3R | 30 m | L30M2R | L30M3R | 6 | L6M2R | L6M3R |  |  |  | Oprg. temp. range | -10~80°C |  | Oprg. temp. range | -10~80°C |  | Remarks | L-6, L-9 for 6 m or longer | L-7, L-10 for 6 m or longer | Remarks | L-6, L-9 for 6 m or longer | L-7, L-10 for 6 m or longer |
| Type   | Vinyl-coated flat 2-wire cable   | Vinyl-coated flat 3-wire cable | Type              | Vinyl-coated flat 2-wire cable | Vinyl-coated flat 3-wire cable |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
|  | A1   |                                |                   | A1                             |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| Length   |  |                                | Length            |                                |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| 15 cm  | L15C2R   | L15C3R                         | 7 m               | L7M2R                          | L7M3R                          |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| 30   | L30C2R   | L30C3R                         | 8                 | L8M2R                          | L8M3R                          |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| 50   | L50C2R   | L50C3R                         | 9                 | L9M2R                          | L9M3R                          |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| 1 m  | L1M2R  | L1M3R                          | 10                | L10M2R                         | L10M3R                         |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| 2  | L2M2R  | L2M3R                          | 15                | L15M2R                         | L15M3R                         |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| 3  | L3M2R  | L3M3R                          | 20                | L20M2R                         | L20M3R                         |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| 4  | L4M2R  | L4M3R                          | 25                | L25M2R                         | L25M3R                         |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| 5  | L5M2R  | L5M3R                          | 30 m              | L30M2R                         | L30M3R                         |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| 6  | L6M2R  | L6M3R                          |                   |                                |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| Oprg. temp. range  | -10~80°C   |                                | Oprg. temp. range | -10~80°C                       |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| Remarks  | L-6, L-9 for 6 m or longer   | L-7, L-10 for 6 m or longer    | Remarks           | L-6, L-9 for 6 m or longer     | L-7, L-10 for 6 m or longer    |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| <p>When ordering, suffix the leadwire cable code (see table at the right) to the model number with a space in between.</p> <p>Example :<br/> <span style="background-color: #e0f0ff;">KC-120-120-A1-11 L5M2R</span><br/>           for the gage with a vinyl-coated flat 2-wire cable 5 m long</p> <p>If no leadwire cable code is suffixed, the gage is delivered with only gage leads (silver-clad copper wires 25 mm long each).</p> <p><b>Uniaxial</b><br/>Resistance : 120Ω, Gage factor : Approx. 2,1</p>   | <table border="1"> <tr> <td>KC-120-120-A1-11</td> <td>120</td> <td>0.6</td> <td>132</td> <td>6</td> </tr> <tr> <td>KC-80-120-A1-11</td> <td>84</td> <td>0.6</td> <td>95</td> <td>8</td> </tr> <tr> <td>KC-70-120-A1-11</td> <td>67</td> <td>0.6</td> <td>80</td> <td>7.5</td> </tr> <tr> <td>KC-60-120-A1-11</td> <td>60</td> <td>0.6</td> <td>74</td> <td>8</td> </tr> </table> | KC-120-120-A1-11               | 120               | 0.6                            | 132                            | 6       | KC-80-120-A1-11         | 84                             | 0.6                            | 95   | 8                              | KC-70-120-A1-11                | 67 | 0.6 | 80 | 7.5 | KC-60-120-A1-11 | 60 | 0.6 | 74     | 8 |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| KC-120-120-A1-11   | 120  | 0.6                            | 132               | 6                              |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| KC-80-120-A1-11  | 84   | 0.6                            | 95                | 8                              |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| KC-70-120-A1-11  | 67   | 0.6                            | 80                | 7.5                            |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |
| KC-60-120-A1-11  | 60   | 0.6                            | 74                | 8                              |                                |         |                         |                                |                                |      |                                |                                |    |     |    |     |                 |    |     |        |   |  |       |        |        |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |     |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |    |        |        |   |       |       |      |        |        |   |       |       |  |  |  |                   |          |  |                   |          |  |         |                            |                             |         |                            |                             |