

## Bi-metal Crimp and Reducing Connector

1. Bi-metal Lugs are made from the highest quality aluminium and copper joined using a friction welding process.

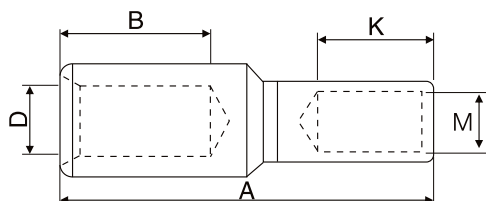
### Technical Data

#### Conductive Material

- Aluminium: 99.6% pure
- Copper: 99.9% pure
- Tensile Strength: 110MPa
- Ductile Rating: 28%
- Joining Method: Friction Welding (IEC std)
- Operating Temperature: -40°C to 100°C
- Conformant Standards: IEC (Fra.); DIN/DE (Ger.)

### Electrical Properties

- Resistivity** Aluminium: 2.6 micro-ohm cm (max)  
 Copper: 1.738 micro-ohm cm
- Conductivity** Aluminium: 61.8% IACS (min)  
 Copper: 99.7% ACS



| Part No.    | Conductor (mm) | Conductor Dia. Al/CU | Dimensions (mm) |    |      |    |      |
|-------------|----------------|----------------------|-----------------|----|------|----|------|
|             |                |                      | A               | B  | D    | K  | M    |
| BCRL16/10   | 16/10          | 7/1.70-7/1.35        | 70              | 32 | 5.5  | 21 | 4.5  |
| BCRL16/16   | 16/16          | 7/1.70-7/1.70        | 70              | 32 | 5.5  | 21 | 5.5  |
| BCRL25/16   | 25/16          | 19/1.35-7/1.70       | 70              | 32 | 7.5  | 21 | 5.5  |
| BCRL25/25   | 25/25          | 19/1.35-19/1.35      | 70              | 32 | 7.5  | 21 | 7.5  |
| BCRL35/25   | 35/25          | 19/1.53-19/1.35      | 70              | 32 | 8.5  | 21 | 7.5  |
| BCRL35/35   | 35/35          | 19/1.53-19/1.53      | 70              | 32 | 8.5  | 21 | 8.5  |
| BCRL50/35   | 50/35          | 19/1.78-19/1.53      | 70              | 32 | 9.5  | 24 | 8.5  |
| BCRL50/50   | 50/50          | 19/1.78-19/1.78      | 70              | 32 | 9.5  | 24 | 9.5  |
| BCRL70/50   | 70/50          | 19/2.14-19/1.78      | 70              | 32 | 11.5 | 24 | 9.5  |
| BCRL70/70   | 70/70          | 19/2.14-19/2.14      | 70              | 32 | 11.5 | 24 | 11.5 |
| BCRL95/70   | 95/70          | 37/1.78-19/2.14      | 110             | 60 | 13.5 | 32 | 11.5 |
| BCRL95/95   | 95/95          | 37/1.78-19/1.78      | 110             | 60 | 13.5 | 32 | 13.5 |
| BCRL120/95  | 20/95          | 37/2.03-37/1.78      | 110             | 60 | 15.5 | 32 | 13.5 |
| BCRL120/120 | 120/120        | 37/2.03-37/2.03      | 110             | 60 | 15.5 | 32 | 15.5 |
| BCRL150/120 | 150/120        | 37/2.25-37/2.03      | 120             | 60 | 16.5 | 40 | 15.5 |
| BCRL150/150 | 150/150        | 37/2.25-37/2.25      | 120             | 60 | 16.5 | 40 | 16.5 |
| BCRL185/150 | 185/150        | 37/2.52-37/2.25      | 120             | 60 | 18.5 | 40 | 16.5 |
| BCRL185/185 | 185/185        | 37/2.52-37/2.52      | 120             | 60 | 18.5 | 40 | 18.5 |
| BCRL240/185 | 240/185        | 61/2.25-37/2.52      | 120             | 60 | 22.0 | 40 | 18.5 |
| BCRL240/240 | 240/240        | 61/2.25-61/2.25      | 120             | 60 | 22.0 | 40 | 21.5 |
| BCRL300/240 | 300/240        | 61/2.52-61/2.25      | 120             | 60 | 23.5 | 40 | 21.5 |
| BCRL300/300 | 300/300        | 61/2.52-61/2.52      | 120             | 60 | 23.5 | 40 | 23.5 |
| BCRL400/300 | 400/300        | 61/2.85-61/2.52      | 155             | 70 | 26.5 | 55 | 23.5 |
| BCRL400/400 | 400/400        | 61/2.85-61/2.85      | 155             | 70 | 26.5 | 55 | 26.5 |