

# KEL - FL

## Cable entry for flat cables



| Description | Type | Order No. | Cut-out [mm] | Inserts KT   FT | PU |
|-------------|------|-----------|--------------|-----------------|----|
|-------------|------|-----------|--------------|-----------------|----|

### Product description

The KEL - FL range enables a simple, fast and flexible cable routing and sealing of flat wires. Split or non-split inserts can be utilized.

Innovative construction of the inserts compensates for manufacturing inconsistencies in flat cables.

### Advantages

- Routing of flat cables in combination with pre-terminated round cables by using a single KEL cable entry frame
- Space saving shape

### Specification

|                        |   |
|------------------------|---|
| Material               | Polyamide   |
| Flame class            | UL-94 Vo, self-extinguishing                                  |
| Protection class       | IP 54, with gasket and correct selection of the cable inserts |
| Temperature Properties | - 40°C to + 140°C (static)<br>halogen-free, silicone-free     |
| Drilling template      | see page 124   125  |

### Accessories

|                         |              |
|-------------------------|--------------|
| FT Cable inserts, flat  | Page 31      |
| KT Cable inserts, small | Page 24   25 |
| KEL-EMC Cable collector | Page 92   94 |

|  |              |       |          |                        |    |
|--|--------------|-------|----------|------------------------|----|
|  | KEL - FL   A | 46100 | 43 x 24  | 0x KT<br>1x FT - 1     | 10 |
|  | KEL - FL   B | 46105 | 65 x 24  | 0x KT<br>1x FT - 2     | 10 |
|  | KEL - FL   C | 46110 | 65 x 24  | 1x KT<br>1x FT - 1     | 10 |
|  | KEL - FL   D | 46115 | 86 x 24  | 0x KT<br>1x FT - 3     | 10 |
|  | KEL - FL   E | 46120 | 86 x 24  | 1x KT<br>1x FT - 2     | 10 |
|  | KEL - FL   F | 46125 | 86 x 24  | 0x KT<br>2x FT - 1     | 10 |
|  | KEL - FL   G | 46130 | 86 x 24  | 2x KT<br>1x FT - 1     | 10 |
|  | KEL - FL   H | 46135 | 112 x 24 | 2x KT<br>1x FT - 2     | 10 |
|  | KEL - FL   I | 46140 | 112 x 24 | 1x KT<br>2x FT - 1     | 10 |
|  | KEL - FL   J | 46145 | 112 x 24 | 3x KT<br>1x FT - 1     | 10 |
|  | KEL - FL   K | 46150 | 112 x 24 | 1x FT - 1<br>1x FT - 2 | 10 |
|  | KEL - FL   L | 46155 | 112 x 24 | 1x FT - 4              | 10 |

Inserts for flat cables



| Type       | Order No.<br>grey | Clamping range                                    | PU | Description   |
|------------|-------------------|---|----|---|
| FT - 1   o | 46201             | Blind insert                                      | 5  |   |
| FT - 1   A | 46210             | Width: 19.0 - 23.0 mm<br>Thickness: 5.5 - 6.0 mm  | 5  |    |
| FT - 1   B | 46211             | Width: 28.0 - 33.0 mm<br>Thickness: 5.5 - 6.0 mm  | 5  |   |
| FT - 1   C | 46212             | Width: 24.0 - 30.0 mm<br>Thickness: 8.5 - 9.0 mm  | 5  |   |
| FT - 2   o | 46202             | Blind insert                                      | 5  |  |
| FT - 2   A | 46250             | Width: 32.5 - 38.0 mm<br>Thickness: 5.0 - 5.5 mm  | 5  |  |
| FT - 2   B | 46251             | Width: 45.0 - 50.5 mm<br>Thickness: 6.0 - 6.5 mm  | 5  |   |
| FT - 2   C | 46252             | Width: 47.0 - 52.0 mm<br>Thickness: 9.5 - 10.0 mm | 5  |   |
| FT - 3   o | 46203             | Blind insert                                      | 5  |   |
| FT - 3   A | 46300             | Width: 72.0 - 77.0 mm<br>Thickness: 5.0 - 5.5 mm  | 5  |  |
| FT - 4   A | 46330             | Width: 85.0 - 99.0 mm<br>Thickness: 4.2 - 5.2 mm  | 5  |   |

Product description

The range of FT inserts are used to route flat cables. Suitable cable entry frames are the KEL-FL range (see page 30).

Innovative construction of the inserts compensates for manufacturing inconsistencies in flat cables.

Advantages

- Routing of flat wires with various dimensions

Specification

|             |                              |
|-------------|------------------------------|
| Material    | Elastomer                    |
| Flame class | UL-94 Vo, self-extinguishing |
| Temperature | - 40°C to + 90°C (static)    |
| Properties  | halogen-free, silicone-free  |

Accessories

KEL-FL Cable entry frames Page 30