



**Product:** [HK650](#)

MachFlex™ ONE 610YY, 1 C 50 mm<sup>2</sup> Str BC, PVC Ins

### Product Description

MachFlex™ ONE 610YY, 1 Conductor 50 mm<sup>2</sup> Stranded Bare Copper, PVC Insulation

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | Designed for applications which Laying in tubes, exposed or buried in plaster, and in closed installation ducts. Suitable for assembling cable harnesses and wiring during switch cabinet installation. |
|------------------------|---|

#### Construction Details

##### Conductor

| Element      | Size               | Stranding | Material         |
|--------------|--------------------|-----------|------------------|
| Conductor(s) | 50 mm <sup>2</sup> | Class 5   | BC - Bare Copper |

##### Insulation

| Material                 | Nom. Insulation Diameter |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 12.3 mm (0.484 in)       |

#### Electrical Characteristics

##### Voltage

| Voltage Rating     |
|--------------------|
| 600 / 1000 V (IEC) |

#### Mechanical Characteristics

##### Temperature

| Operating  | Installation   |
|--|--|
| IEC/EN : -20°C to +70°C, UL: -20°C to +105°C (Occasional movement) | IEC/EN : -30°C to +80°C, UL: -30°C to +105°C (UL) (Fixed installation) |

##### Bend Radius

| Installation Min. | Flexing Min.      |
|-------------------|-------------------|
| 49.2 mm (1.94 in) | 98.4 mm (3.87 in) |

|                    |                                |
|--------------------|--------------------------------|
| Bulk Cable Weight: | 491.3 kg/km (330.1 lbs/1000ft) |
|--------------------|--------------------------------|

#### Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Environmental Suitability:       | Sunlight Resistance, UV Resistance, Oil Resistance - EN 50290-2-22 (TM54), Oil Resistance |
| Flammability / Reaction to Fire: | VW-1, IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2                               |
| ISO/IEC Compliance:              | IEC 60228   |
| CENELEC Compliance:              | EN 50525-2-31   |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)   |
| Other Standard Compliance(s):    | AS/NZS 5000.1, VDE 0281, UL 1581, UL 758, HD 21.3, BS 6360                                |

## Product Notes

Notes: General Reference Standards : DIN VDE 0295, IEC 60227-3, DIN EN 50290-2-21, DIN VDE 0207-363-3

## History

Update and Revision: Revision Number: 0.35 Revision Date: 09-12-2024

## Part Numbers

### Variants

| Item #        | Color        | Length |
|---------------|--------------|--------|
| HK650 010100M | Black        | 100 m  |
| HK650 010200M | Black        | 200 m  |
| HK650 010300M | Black        | 300 m  |
| HK650 008100M | Gray         | 100 m  |
| HK650 008200M | Gray         | 200 m  |
| HK650 008300M | Gray         | 300 m  |
| HK650 136100M | Yellow/Green | 100 m  |
| HK650 136200M | Yellow/Green | 200 m  |
| HK650 136300M | Yellow/Green | 300 m  |

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