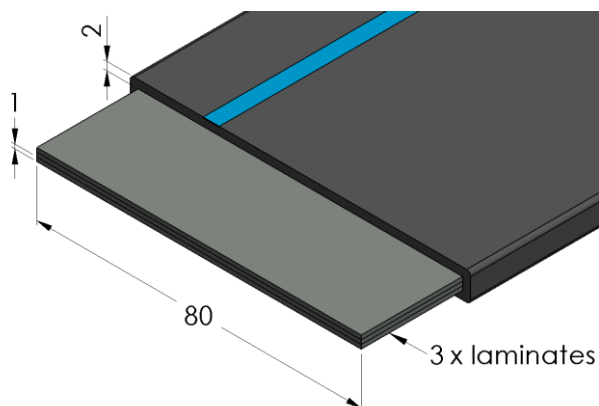


## Product Datasheet

### CFX5250



#### Main

|                                  |                                |                             |
|----------------------------------|--------------------------------|-----------------------------|
| Family                           | Insulated copper flexible bars |                             |
| Version                          | Coflex Plus                    |                             |
| Standard length (m)              | 2                              |                             |
| Width (mm)                       | 80                             |                             |
| Code                             | CFX5250                        |                             |
| Reference                        | CFP 3X80X1                     |                             |
| Number per package               | 1                              |                             |
| Weight (kg)                      | 4.9                            |                             |
| Cross section (mm <sup>2</sup> ) | 240                            |                             |
| In (A) vs $\Delta T$             | Rated Intensity (A)            | Temperature rise $\Delta T$ |
|                                  | 803                            | 35 °C                       |
|                                  | <b>1026</b>                    | <b>55 °C</b>                |
|                                  | 1167                           | 70 °C                       |
|                                  | 1445                           | 105 °C                      |

## Technical Features

### Conductor

Tinned electrolytic copper: Cu-ETP – EN 13599

Laminate thickness: 1 mm

### Insulation

TPE compound, Self-extinguishing UL 94-V0

Black color with a light blue line

Low smoke emission

Halogen free according to IEC 60754-1:2011+AMD1:2019

Thickness: 1,9 mm  $\pm$  0,2 mm

Dielectric rigidity: 20 kV/mm

Class II according to Par. 8.4.4 IEC 61439-1

Glow-wire flammability test (GWEPT) according to standard IEC 60695-2-11:2021: 850°C

Maximum optical density (50 kW/m<sup>2</sup>, smoldering) according to standard EN ISO 5659-2:

- Ds max = 247
- Ds(4) = 213
- VOF4 = 653

Recyclable

### Finished Product

Rated voltage: 1000 V AC/1500 V DC

Working temperature: -40 °C to 140 °C

Compliant with standard IEC 61439-2

DNV certificate n° TAE00004ZM

### In vs. $\Delta T$

$I_n$  = Rated current A

$\Delta T$  = Temperature rise °C

$\Delta T = T_f - T_a$

$T_f$  = Working temperature °C

$T_a$  = Room temperature °C

Table of ampacities (A) are based on temperature rise  $\Delta T$  as per **IEC 61439-1** with reference to the room temperature of 35°C.

For derating coefficient for the use of bars in parallel please refer to the catalogue.

Please contact Teknomega for non-specified tolerances.