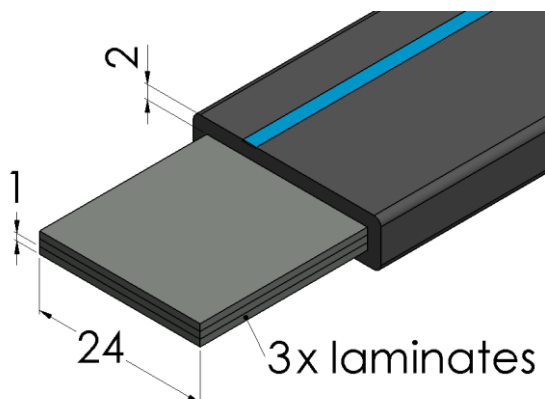


Product Datasheet

CFX5090



Main

Family	Insulated copper flexible bars	
Version	Coflex Plus	
Standard length (m)	2	
Width (mm)	24	
Code	CFX5090	
Reference	CFP 3X24X1	
Number per package	4	
Weight (kg)	1.51	
Cross section (mm ²)	72	
In (A) vs ΔT	Rated Intensity (A)	Temperature rise ΔT
	307	35 °C
	392	55 °C
	446	70 °C
	552	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/m², 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. ΔT

I_n = Rated current A

ΔT = 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 ΔT 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.