



TECHNICAL FEATURES

Conductor

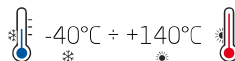
Tinned electrolytic copper:
Cu-ETP - EN 13599
Laminate thickness:
0,5 - 0,8 - 1 mm

Insulation

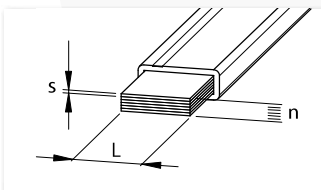
TPE compound
Halogen free
Low smoke
Self-extinguishing UL 94-V0
black color with two not colored lines
Thickness: > 1,6 mm
Typical elongation: 550%
Hardness: 80 Shore A
Tensile strength: 6 MPa
Recyclable

Finished product

Rated voltage:
1000 V AC/1500V DC
Working temperature:



certification pending
File n° E300607



In VS. ΔT

In = Rated current A
 ΔT = Temperature rise °C
 $\Delta T = T_f - T_a$
T_f = Working temperature °C
T_a = Room temperature °C

REFERENCE EXAMPLE

CFP 4X20X1
Laminate number: **n** = 4
Laminate width **L** = 20 mm
Laminate thickness: **s** = 1 mm

DERATING COEFFICIENT FOR THE USE OF BARS IN PARALLEL

Number of bars in parallel	2 BARS	3 BARS	4 BARS
Coefficient to use	1,8	2,5	3,2

Example for CFP 5X100X1 con $\Delta T = 50^\circ\text{C}$:

In (A)	1535 x 1,8 = 2763	1535 x 2,5 = 3838	1535 x 3,2 = 4912
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UPON REQUEST: Red copper laminates.

2 METERS LENGTH

Table of ampacities (A) based on temperature rise ΔT as per IEC 61439-1
Reference room temperature 40°C

L	Code	Reference		Weight (Kg)	Sect. (mm ²)	Temperature rise ΔT				
						65 °C	50 °C	40 °C	30 °C	20 °C
						Rated Intensity In (A)				
9	CFX5005	CFP 3X9X0,8	6	0,44	21,6	160	140	125	108	89
	CFX5020	CFP 6X9X0,8	4	0,83	43,2	285	250	224	194	158
	CFX5021	CFP 9X9X0,8	4	1,22	64,8	319	280	250	217	177
13	CFX5022	CFP 3X13X0,5	6	0,39	19,5	194	170	152	132	108
	CFX5023	CFP 6X13X0,5	6	0,84	39	285	250	224	194	158
	CFX5024	CFP 10X13X0,5	4	1,32	65	376	330	295	256	209
15,5	CFX5025	CFP 2X15,5X0,8	6	0,6	24,8	234	205	183	159	130
	CFX5035	CFP 4X15,5X0,8	6	1,05	49,6	365	320	286	248	202
	CFX5045	CFP 6X15,5X0,8	4	1,5	74,4	456	400	358	310	253
20	CFX5050	CFP 10X15,5X0,8	4	2,41	124	502	440	394	341	278
	CFX5055	CFP 2X20X1	6	0,9	40	319	280	250	217	177
	CFX5060	CFP 3X20X1	6	1,26	60	399	350	313	271	221
24	CFX5065	CFP 4X20X1	4	1,63	80	467	410	367	318	259
	CFX5070	CFP 5X20X1	4	2	100	490	430	385	333	272
	CFX5075	CFP 6X20X1	4	2,35	120	547	480	429	372	304
28	CFX5076	CFP 8X20X1	4	3,08	160	638	560	501	434	354
	CFX5080	CFP 10X20X1	4	3,81	200	730	640	572	496	405
	CFX5085	CFP 2X24X1	3	1,07	48	399	350	313	271	221
32	CFX5090	CFP 3X24X1	3	1,51	72	456	400	358	310	253
	CFX5095	CFP 4X24X1	3	1,95	96	536	470	420	364	297
	CFX5100	CFP 5X24X1	2	2,38	120	581	510	456	395	323
36	CFX5105	CFP 6X24X1	2	2,81	144	650	570	510	442	360
	CFX5110	CFP 8X24X1	2	3,68	192	781	685	613	531	433
	CFX5115	CFP 10X24X1	1	4,55	240	912	800	716	620	506
40	CFX5120	CFP 2X32X1	3	1,42	64	467	410	367	318	259
	CFX5125	CFP 3X32X1	3	1,99	96	559	490	438	380	310
	CFX5130	CFP 4X32X1	3	2,57	128	627	550	492	426	348
44	CFX5135	CFP 5X32X1	2	3,14	160	741	650	581	503	411
	CFX5140	CFP 6X32X1	2	3,73	192	821	720	644	558	455
	CFX5145	CFP 8X32X1	2	4,88	256	992	870	778	674	550
48	CFX5150	CFP 10X32X1	2	6,03	320	1163	1020	912	790	645
	CFX5155	CFP 2X40X1	3	1,76	80	524	460	411	356	291
	CFX5160	CFP 3X40X1	3	2,48	120	650	570	510	442	360
52	CFX5165	CFP 4X40X1	3	3,2	160	741	650	581	503	411
	CFX5170	CFP 5X40X1	2	3,91	200	884	775	693	600	490
	CFX5175	CFP 6X40X1	2	4,64	240	986	865	774	670	547
56	CFX5180	CFP 8X40X1	2	6,07	320	1180	1035	926	802	655
	CFX5185	CFP 10X40X1	2	7,51	400	1343	1178	1054	912	745
	CFX5190	CFP 3X50X1	3	3,09	150	672	589	527	456	373
60	CFX5195	CFP 4X50X1	2	3,98	200	886	777	695	602	491
	CFX5200	CFP 5X50X1	2	4,88	250	1055	925	827	717	585
	CFX5205	CFP 6X50X1	2	5,77	300	1186	1040	930	806	658
64	CFX5210	CFP 8X50X1	2	7,57	400	1357	1190	1064	922	753
	CFX5215	CFP 10X50X1	2	9,37	500	1573	1380	1234	1069	873
	CFX5220	CFP 3X63X1	1	3,87	189	941	825	738	639	522
68	CFX5225	CFP 4X63X1	1	5,01	252	1083	950	850	736	601
	CFX5230	CFP 5X63X1	1	6,13	315	1209	1060	948	821	670
	CFX5235	CFP 6X63X1	1	7,26	378	1391	1220	1091	945	772
72	CFX5240	CFP 8X63X1	1	9,52	504	1596	1400	1252	1084	885
	CFX5245	CFP 10X63X1	1	11,7	630	1841	1615	1444	1251	1021
	CFX5250	CFP 3X80X1	1	4,9	240	1138	998	893	773	631
76	CFX5255	CFP 4X80X1	1	6,34	320	1311	1150	1029	891	727
	CFX5260	CFP 5X80X1	1	7,76	400	1429	1280	1145	991	810
	CFX5265	CFP 6X80X1	1	9,2	480	1602	1405	1257	1088	889
80	CFX5270	CFP 8X80X1	1	12,1	640	1833	1608	1438	1246	1017
	CFX5275	CFP 10X80X1	1	14,9	800	2028	1779	1591	1378	1125
	CFX5280	CFP 4X100X1	1	7,9	400	1420	1245	1114	964	787
84	CFX5285	CFP 5X100X1	1	9,7	500	1750	1535	1373	1189	871
	CFX5290	CFP 6X100X1	1	11,5	600	1915	1680	1503	1301	1063
	CFX5295	CFP 8X100X1	1	15,1	800	2172	1905	1704	1476	1205
88	CFX5300	CFP 10X100X1	1	18,7	1000	2394	2100	1878	1627	1328
	CFX5305	CFP 12X100X1	1	22,2	1200	2600	2280	2039	1766	1442