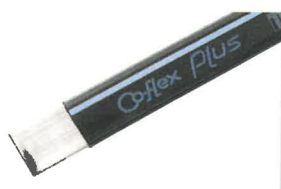




TECHNICAL CHARACTERISTICS

Conductor

Tinned electrolytic copper:
Cu-ETP - EN 13599
Laminate thickness:
0.5 - 0.8 - 1 mm

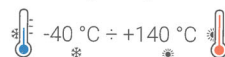


Insulation

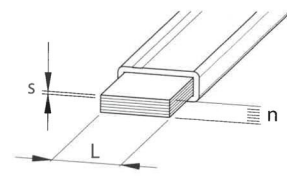
TPE compound
Black color with a light blue line
Low smoke emission
Self-extinguishing: UL 94-V0
Halogen free
Thickness: 1.9 mm
Dielectric rigidity: 20 kV / mm
Class II according to Par. 8.4.4 IEC 61439-1
Recyclable

Finished product

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



File n° E300607



CHOICE $I_n - \Delta T$

I_n = Rated current A
 ΔT = Temperature rise °C
 T_f = Working temperature °C
 T_a = Room temperature °C

EXAMPLE:

If the final operating temperature is 90 °C, consider the value corresponding to a thermal rise of 55 °C, as the following relationship applies: $T_f = T_a + \Delta T$
90 °C = 35 °C + 55 °C

REFERENCE EXAMPLE

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

DERATING COEFFICIENT FOR THE USE OF BARS IN PARALLEL

Bar width (L)	Number of bars in parallel		
	//	///	// //
L < 63 mm	1.72	2.25	2.93
63 mm ≤ L < 100 mm	1.65	2.12	2.7
L = 100 mm	1.6	2.02	2.4

UPON REQUEST: Red copper laminates.

2 METERS LENGTH

Table of ampacity (A) based on temperature rise ΔT as per IEC 61439-1
Reference room temperature 35°C

L	Code	Reference		Weight (kg)	Sect. (mm ²)	Temperature rise ΔT			
						35 °C	55 °C	70 °C	105 °C
						Rated Intensity In (A)			
9	CFX5005	CFP 3X9X0,8	6	0,44	21,6	134	172	196	242
	CFX5020	CFP 6X9X0,8	6	0,83	43,2	201	257	292	361
	CFX5021	CFP 9X9X0,8	4	1,22	64,8	258	330	375	464
13	CFX5022	CFP 3X13X0,5	6	0,39	19,5	134	172	195	241
	CFX5023	CFP 6X13X0,5	6	0,84	39	196	251	285	353
	CFX5024	CFP 10X13X0,5	4	1,32	65	263	337	383	473
15,5	CFX5025	CFP 2X15,5X0,8	6	0,6	24,8	158	202	230	284
	CFX5035	CFP 4X15,5X0,8	6	1,05	49,6	230	295	335	414
	CFX5045	CFP 6X15,5X0,8	6	1,5	74,4	290	371	422	522
20	CFX5050	CFP 10X15,5X0,8	4	2,41	124	394	504	573	709
	CFX5055	CFP 2X20X1	6	0,9	40	215	275	312	386
	CFX5060	CFP 3X20X1	6	1,26	60	267	342	389	482
24	CFX5065	CFP 4X20X1	6	1,63	80	314	402	457	565
	CFX5070	CFP 5X20X1	6	2	100	356	456	519	641
	CFX5075	CFP 6X20X1	6	2,35	120	396	506	576	713
28	CFX5076	CFP 8X20X1	4	3,08	160	469	600	683	845
	CFX5080	CFP 10X20X1	4	3,81	200	537	687	782	968
	CFX5085	CFP 2X24X1	4	1,07	48	247	315	359	444
32	CFX5090	CFP 3X24X1	4	1,51	72	307	392	446	552
	CFX5095	CFP 4X24X1	3	1,95	96	359	460	523	647
	CFX5100	CFP 5X24X1	3	2,38	120	407	521	592	733
36	CFX5105	CFP 6X24X1	3	2,81	144	451	578	657	813
	CFX5110	CFP 8X24X1	2	3,68	192	533	683	777	961
	CFX5115	CFP 10X24X1	2	4,55	240	609	779	887	1098
40	CFX5120	CFP 2X32X1	4	1,42	64	309	395	449	555
	CFX5125	CFP 3X32X1	4	1,99	96	383	489	557	689
	CFX5130	CFP 4X32X1	3	2,57	128	447	572	650	805
44	CFX5135	CFP 5X32X1	3	3,14	160	505	646	735	910
	CFX5140	CFP 6X32X1	3	3,73	192	559	715	813	1007
	CFX5145	CFP 8X32X1	2	4,88	256	657	841	957	1185
48	CFX5150	CFP 10X32X1	2	6,03	320	746	955	1088	1347
	CFX5155	CFP 2X40X1	4	1,76	80	369	471	536	664
	CFX5160	CFP 3X40X1	4	2,48	120	456	583	664	821
52	CFX5165	CFP 4X40X1	3	3,2	160	532	680	774	958
	CFX5170	CFP 5X40X1	3	3,91	200	599	767	873	1080
	CFX5175	CFP 6X40X1	3	4,64	240	662	847	964	1193
56	CFX5180	CFP 8X40X1	2	6,07	320	775	992	1129	1399
	CFX5185	CFP 10X40X1	2	7,51	400	877	1123	1278	1585
	CFX5190	CFP 3X50X1	4	3,09	150	546	698	794	983
60	CFX5195	CFP 4X50X1	3	3,98	200	635	811	923	1143
	CFX5200	CFP 5X50X1	3	4,88	250	714	913	1039	1287
	CFX5205	CFP 6X50X1	3	5,77	300	786	1006	1145	1418
64	CFX5210	CFP 8X50X1	2	7,57	400	916	1173	1336	1656
	CFX5215	CFP 10X50X1	2	9,37	500	1033	1323	1507	1869
	CFX5220	CFP 3X63X1	1	3,87	189	659	842	958	1187
68	CFX5225	CFP 4X63X1	1	5,01	252	764	977	1112	1377
	CFX5230	CFP 5X63X1	1	6,13	315	857	1097	1248	1547
	CFX5235	CFP 6X63X1	1	7,26	378	942	1205	1372	1701
72	CFX5240	CFP 8X63X1	1	9,52	504	1093	1399	1593	1977
	CFX5245	CFP 10X63X1	1	11,7	630	1227	1571	1790	2223
	CFX5250	CFP 3X80X1	1	4,9	240	803	1026	1167	1445
76	CFX5255	CFP 4X80X1	1	6,34	320	928	1186	1350	1673
	CFX5260	CFP 5X80X1	1	7,76	400	1038	1328	1511	1874
	CFX5265	CFP 6X80X1	1	9,2	480	1138	1455	1657	2056
80	CFX5270	CFP 8X80X1	1	12,1	640	1314	1682	1916	2378
	CFX5275	CFP 10X80X1	1	14,9	800	1468	1881	2143	2663
	CFX5280	CFP 4X100X1	1	7,9	400	1114	1424	1620	2009
84	CFX5285	CFP 5X100X1	1	9,7	500	1243	1589	1809	2244
	CFX5290	CFP 6X100X1	1	11,5	600	1358	1738	1979	2456
	CFX5295	CFP 8X100X1	1	15,1	800	1561	1999	2277	2829
88	CFX5300	CFP 10X100X1	1	18,7	1000	1739	2227	2538	3156
	CFX5305	CFP 12X100X1	1	22,2	1200	1899	2433	2774	3450

Items in stock. Other sizes available upon request.

PRODUCTS CONFORMING TO REGULATIONS

