



TECHNICAL CHARACTERISTICS

Conductor

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

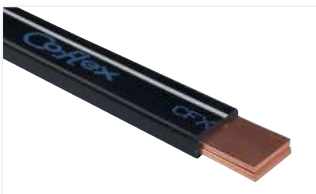
Insulation

PVC compound
Black color with a white line
Self-extinguishing: UL 94-V0
Thickness: 2 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:

$-40^{\circ}\text{C} \div +105^{\circ}\text{C}$

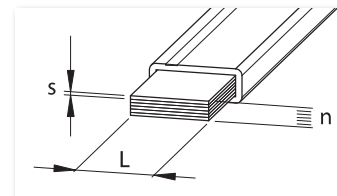


CHOICE $I_n - \Delta T$

I_n = Rated current A
 ΔT = Temperature rise $^{\circ}\text{C}$
 T_f = Working temperature $^{\circ}\text{C}$
 T_a = Room temperature $^{\circ}\text{C}$

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: $T_f = T_a + \Delta T$
 $90^{\circ}\text{C} = 35^{\circ}\text{C} + 55^{\circ}\text{C}$



REFERENCE EXAMPLE

CFX 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
$63 \text{ mm} \leq L < 100$ mm	1.65	2.12	2.7
$L = 100$ mm	1.6	2.02	2.4

UPON REQUEST: Tinned 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	45 °C	55 °C	70 °C
						Rated Intensity In (A)			
9	CFX1005	CFX 3X9X0,8	6	0,5	21,6	134	154	172	196
	CFX1020	CFX 6X9X0,8	6	0,9	43,2	201	230	257	292
	CFX1021	CFX 9X9X0,8	4	1,3	64,8	258	296	330	375
13	CFX1022	CFX 3X13X0,5	6	0,45	19,5	134	154	172	195
	CFX1023	CFX 6X13X0,5	6	0,92	39	196	225	251	285
	CFX1024	CFX 10X13X0,5	4	1,41	65	263	302	337	383
15,5	CFX1025	CFX 2X15,5X0,8	6	0,68	24,8	158	181	202	230
	CFX1035	CFX 4X15,5X0,8	6	1,14	49,6	230	264	295	335
	CFX1045	CFX 6X15,5X0,8	6	1,6	74,4	290	333	371	422
	CFX1050	CFX 10X15,5X0,8	4	2,52	124	394	452	504	573
20	CFX1055	CFX 2X20X1	6	1	40	215	246	275	312
	CFX1060	CFX 3X20X1	6	1,37	60	267	307	342	389
	CFX1065	CFX 4X20X1	6	1,74	80	314	360	402	457
	CFX1070	CFX 5X20X1	6	2,11	100	356	409	456	519
	CFX1075	CFX 6X20X1	6	2,47	120	396	454	506	576
	CFX1076	CFX 8X20X1	4	3,21	160	469	538	600	683
	CFX1080	CFX 10X20X1	4	3,94	200	537	616	687	782
	CFX1085	CFX 2X24X1	4	1,19	48	247	283	315	359
24	CFX1090	CFX 3X24X1	4	1,63	72	307	352	392	446
	CFX1095	CFX 4X24X1	3	2,07	96	359	412	460	523
	CFX1100	CFX 5X24X1	3	2,51	120	407	467	521	592
	CFX1105	CFX 6X24X1	3	2,94	144	451	518	578	657
	CFX1110	CFX 8X24X1	2	3,82	192	533	612	683	777
	CFX1115	CFX 10X24X1	2	4,7	240	609	699	779	887
	CFX1120	CFX 2X32X1	4	1,56	64	309	354	395	449
	CFX1125	CFX 3X32X1	4	2,14	96	383	439	489	557
32	CFX1130	CFX 4X32X1	3	2,72	128	447	513	572	650
	CFX1135	CFX 5X32X1	3	3,3	160	505	579	646	735
	CFX1140	CFX 6X32X1	3	3,89	192	559	641	715	813
	CFX1145	CFX 8X32X1	2	5,05	256	657	754	841	957
	CFX1150	CFX 10X32X1	2	6,21	320	746	857	955	1088
	CFX1155	CFX 2X40X1	4	1,93	80	369	423	471	536
	CFX1160	CFX 3X40X1	4	2,66	120	456	523	583	664
	CFX1165	CFX 4X40X1	3	3,38	160	532	610	680	774
40	CFX1170	CFX 5X40X1	3	4,1	200	599	688	767	873
	CFX1175	CFX 6X40X1	3	4,83	240	662	759	847	964
	CFX1180	CFX 8X40X1	2	6,27	320	775	889	992	1129
	CFX1185	CFX 10X40X1	2	7,72	400	877	1007	1123	1278
	CFX1190	CFX 3X50X1	4	3,3	150	546	626	698	794
	CFX1195	CFX 4X50X1	3	4,2	200	635	728	811	923
50	CFX1200	CFX 5X50X1	3	5,1	250	714	819	913	1039
	CFX1205	CFX 6X50X1	3	6	300	786	902	1006	1145
	CFX1210	CFX 8X50X1	2	7,8	400	916	1052	1173	1336
	CFX1215	CFX 10X50X1	2	9,61	500	1033	1186	1323	1507
	CFX1220	CFX 3X63X1	1	4,13	189	659	756	842	958
	CFX1225	CFX 4X63X1	1	5,27	252	764	877	977	1112
63	CFX1230	CFX 5X63X1	1	6,4	315	857	984	1097	1248
	CFX1235	CFX 6X63X1	1	7,53	378	942	1081	1205	1372
	CFX1240	CFX 8X63X1	1	9,8	504	1093	1254	1399	1593
	CFX1245	CFX 10X63X1	1	12	630	1227	1409	1571	1790
	CFX1250	CFX 3X80X1	1	5,22	240	803	920	1026	1167
80	CFX1255	CFX 4X80X1	1	6,66	320	928	1064	1186	1350
	CFX1260	CFX 5X80X1	1	8,09	400	1038	1191	1328	1511
	CFX1265	CFX 6X80X1	1	9,53	480	1138	1305	1455	1657
	CFX1270	CFX 8X80X1	1	12,4	640	1314	1508	1682	1916
	CFX1275	CFX 10X80X1	1	15,3	800	1468	1686	1881	2143
	CFX1280	CFX 4X100X1	1	8,3	400	1114	1277	1424	1620
	CFX1285	CFX 5X100X1	1	10,1	500	1243	1426	1589	1809
100	CFX1290	CFX 6X100X1	1	11,9	600	1358	1558	1738	1979
	CFX1295	CFX 8X100X1	1	15,5	800	1561	1792	1999	2277
	CFX1300	CFX 10X100X1	1	19,1	1000	1739	1996	2227	2538
	CFX1305	CFX 12X100X1	1	22,6	1200	1899	2180	2433	2774

Items in stock. Other sizes available upon request.

3 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	45 °C	55 °C	70 °C
						Rated Intensity In (A)			
9	CFX3005	CFX 3X9X0,8-3	1	0,75	21,6	134	154	172	196
	CFX3055	CFX 2X20X1-3	1	1,5	40	215	246	275	312
20	CFX3060	CFX 3X20X1-3	1	2,05	60	267	307	342	389
	CFX3065	CFX 4X20X1-3	1	2,61	80	314	360	402	457
	CFX3070	CFX 5X20X1-3	1	3,16	100	356	409	456	519
	CFX3085	CFX 2X24X1-3	1	1,78	48	247	283	315	359
24	CFX3090	CFX 3X24X1-3	1	2,44	72	307	352	392	446
	CFX3095	CFX 4X24X1-3	1	3,1	96	359	412	460	523
	CFX3100	CFX 5X24X1-3	1	3,76	120	407	467	521	592
32	CFX3120	CFX 2X32X1-3	1	2,34	64	309	354	395	449
	CFX3125	CFX 3X32X1-3	1	3,21	96	383	439	489	557
	CFX3135	CFX 5X32X1-3	1	4,95	160	505	579	646	735
	CFX3145	CFX 8X32X1-3	1	7,57	256	657	754	841	957
40	CFX3170	CFX 5X40X1-3	1	6,15	200	599	688	767	873
	CFX3185	CFX 10X40X1-3	1	11,58	400	877	1007	1123	1278
50	CFX3200	CFX 5X50X1-3	1	7,65	250	714	819	913	1039

Items in stock. Other sizes available upon request.