



TECHNICAL FEATURES

Conductor

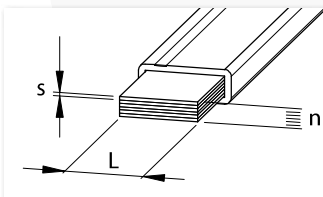
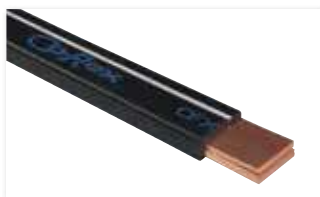
Electrolytic copper:
Cu-ETP - EN 13599
Laminate thickness:
0,5 - 0,8 - 1 mm

Insulation

Self-extinguishing PVC UL 94-V0
black color with two not colored lines
Thickness: 2 mm $\pm$ 0,2
Max. elongation: 365%
Hardness: 80 Shore A
Tensile strength: 19 MPa
Dielectric strength: 20 kV/mm

Finished product

Rated voltage:
1000 V AC / 1500V DC
Working temperature:
-40°C $\div$ +105°C



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

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

DERATING COEFFICIENT FOR THE USE OF BARS IN PARALLE

Number of bars in parallel	2 bars	3 bars	4 BARS
Coefficient to use	1,8	2,5	3,2
Example for CFX 5X100X1 con $\Delta T = 50$ °C:			
In (A)	1535 x 1,8 = 2763	1535 x 2,5 = 3838	1535 x 3,2 = 4912

UPON REQUEST: Tinned copper laminates; Insulation for temperatures up to 125°C.

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	CFX1005	CFX 3X9X0,8	6	0,5	21,6	160	140	125	108	89
	CFX1020	CFX 6X9X0,8	4	0,9	43,2	285	250	224	194	158
	CFX1021	CFX 9X9X0,8	4	1,3	64,8	319	280	250	217	177
13	CFX1022	CFX 3X13X0,5	6	0,45	19,5	194	170	152	132	108
	CFX1023	CFX 6X13X0,5	6	0,92	39	285	250	224	194	158
	CFX1024	CFX 10X13X0,5	4	1,41	65	376	330	295	256	209
15,5	CFX1025	CFX 2X15,5X0,8	6	0,68	24,8	234	205	183	159	130
	CFX1035	CFX 4X15,5X0,8	6	1,14	49,6	365	320	286	248	202
	CFX1045	CFX 6X15,5X0,8	4	1,6	74,4	456	400	358	310	253
	CFX1050	CFX 10X15,5X0,8	4	2,52	124	502	440	394	341	278
20	CFX1055	CFX 2X20X1	6	1	40	319	280	250	217	177
	CFX1060	CFX 3X20X1	6	1,37	60	399	350	313	271	221
	CFX1065	CFX 4X20X1	4	1,74	80	467	410	367	318	259
	CFX1070	CFX 5X20X1	4	2,11	100	490	430	385	333	272
	CFX1075	CFX 6X20X1	4	2,47	120	547	480	429	372	304
	CFX1076	CFX 8X20X1	4	3,21	160	638	560	501	434	354
	CFX1080	CFX 10X20X1	4	3,94	200	730	640	572	496	405
24	CFX1085	CFX 2X24X1	3	1,19	48	399	350	313	271	221
	CFX1090	CFX 3X24X1	3	1,63	72	456	400	358	310	253
	CFX1095	CFX 4X24X1	3	2,07	96	536	470	420	364	297
	CFX1100	CFX 5X24X1	2	2,51	120	581	510	456	395	323
	CFX1105	CFX 6X24X1	2	2,94	144	650	570	510	442	360
	CFX1110	CFX 8X24X1	2	3,82	192	781	685	613	531	433
	CFX1115	CFX 10X24X1	1	4,7	240	912	800	716	620	506
32	CFX1120	CFX 2X32X1	3	1,56	64	467	410	367	318	259
	CFX1125	CFX 3X32X1	3	2,14	96	559	490	438	380	310
	CFX1130	CFX 4X32X1	3	2,72	128	627	550	492	426	348
	CFX1135	CFX 5X32X1	2	3,3	160	741	650	581	503	411
	CFX1140	CFX 6X32X1	2	3,89	192	821	720	644	558	455
	CFX1145	CFX 8X32X1	2	5,05	256	992	870	778	674	550
	CFX1150	CFX 10X32X1	2	6,21	320	1163	1020	912	790	645
40	CFX1155	CFX 2X40X1	3	1,93	80	524	460	411	356	291
	CFX1160	CFX 3X40X1	3	2,66	120	650	570	510	442	360
	CFX1165	CFX 4X40X1	3	3,38	160	741	650	581	503	411
	CFX1170	CFX 5X40X1	2	4,1	200	884	775	693	600	490
	CFX1175	CFX 6X40X1	2	4,83	240	986	865	774	670	547
	CFX1180	CFX 8X40X1	2	6,27	320	1180	1035	926	802	655
	CFX1185	CFX 10X40X1	2	7,72	400	1343	1178	1054	912	745
50	CFX1190	CFX 3X50X1	3	3,3	150	672	589	527	456	373
	CFX1195	CFX 4X50X1	2	4,2	200	886	777	695	602	491
	CFX1200	CFX 5X50X1	2	5,1	250	1055	925	827	717	585
	CFX1205	CFX 6X50X1	2	6	300	1186	1040	930	806	658
	CFX1210	CFX 8X50X1	2	7,8	400	1357	1190	1064	922	753
63	CFX1215	CFX 10X50X1	2	9,61	500	1573	1380	1234	1069	873
	CFX1220	CFX 3X63X1	1	4,13	189	941	825	738	639	522
	CFX1225	CFX 4X63X1	1	5,27	252	1083	950	850	736	601
	CFX1230	CFX 5X63X1	1	6,4	315	1209	1060	948	821	670
	CFX1235	CFX 6X63X1	1	7,53	378	1391	1220	1091	945	772
	CFX1240	CFX 8X63X1	1	9,8	504	1596	1400	1252	1084	885
	CFX1245	CFX 10X63X1	1	12	630	1841	1615	1444	1251	1021
80	CFX1250	CFX 3X80X1	1	5,22	240	1138	998	893	773	631
	CFX1255	CFX 4X80X1	1	6,66	320	1311	1150	1029	891	727
	CFX1260	CFX 5X80X1	1	8,09	400	1429	1280	1145	991	810
	CFX1265	CFX 6X80X1	1	9,53	480	1602	1405	1257	1088	889
	CFX1270	CFX 8X80X1	1	12,4	640	1833	1608	1438	1246	1017
	CFX1275	CFX 10X80X1	1	15,3	800	2028	1779	1591	1378	1125
100	CFX1280	CFX 4X100X1	1	8,3	400	1420	1245	1114	964	787
	CFX1285	CFX 5X100X1	1	10,1	500	1750	1535	1373	1189	871
	CFX1290	CFX 6X100X1	1	11,9	600	1915	1680	1503	1301	1063
	CFX1295	CFX 8X100X1	1	15,5	800	2172	1905	1704	1476	1205
	CFX1300	CFX 10X100X1	1	19,1	1000	2394	2100	1878	1627	1328
	CFX1305	CFX 12X100X1	1	22,6	1200	2600	2280	2039	1766	1442

3 METERS LENGTH

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	CFX3060	CFX 3X20X1-3	1	2,05	60	399	350	313	271	221
	CFX3065	CFX 4X20X1-3	1	2,61	80	467	410	367	318	259
	CFX3070	CFX 5X20X1-3	1	3,16	100	490	430	385	333	272
24	CFX3085	CFX 2X24X1-3	1	1,78	48	399	350	313	271	221
	CFX3090	CFX 3X24X1-3	1	2,44	72	456	400	358	310	253
	CFX3095	CFX 4X24X1-3	1	3,1	96	536	470	420	364	297
	CFX3100	CFX 5X24X1-3	1	3,76	120	581	510	456	395	323
32	CFX3120	CFX 2X32X1-3	1	2,34	64	467	410	367	318	259
	CFX3125	CFX 3X32X1-3	1	3,21	96	559	490	438	380	310
	CFX3135	CFX 5X32X1-3	1	4,95	160	741	650	581	503	411
	CFX3145	CFX 8X32X1-3	1	7,57	256	992	870	778	674	550
40	CFX3170	CFX 5X40X1-3	1	6,15	200	884	775	693	600	490
	CFX3185	CFX 10X40X1-3	1	11,58	400	1343	1178	1054	912	745
50	CFX3200	CFX 5X50X1-3	1	7,65	250	1055	925	827	717	585

Items in stock. Other sizes available upon request.