CONSTRUCTION CHARACTERISTICS TABLE - FIREX® TECK90 1 kV

Part Number	# of Cond.	Conductor Size		Insulation Thickness		Inner Jacket Thickness		Approximate Diameters						Approx. Net Cable Weight		Approx. Copper Content
								Inner Jacket		Armour		Outer Jacket				
		Power AWG or kcmil	Bonding AWG	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	lb/kft	kg/km	kg/km
12000506	1	350	1	0.090	2.29	0.060	1.52	1.07	27.1	1.34	34.1	1.45	36.7	1910	2842	2062
12000507	1	500	1/0	0.090	2.29	0.060	1.52	1.20	30.6	1.48	37.6	1.59	40.3	2515	3742	2864
12000794	1	750	2/0	0.090	2.29	0.060	1.52	1.41	35.8	1.68	42.8	1.81	46.0	3648	5429	4189
12000213	2	12	14	0.045	1.14	0.045	1.14	0.46	11.8	0.70	17.7	0.79	20.2	272	405	80
12000304	2	8	10	0.045	1.14	0.060	1.52	0.59	15.0	0.82	20.8	0.93	23.5	407	606	203
12000082	2	6	8	0.060	1.52	0.060	1.52	0.72	18.3	0.95	24.0	1.06	26.8	545	811	323
12000302	3	12	14	0.045	1.14	0.045	0.14	0.50	12.8	0.74	18.7	0.82	20.9	297	441	111
12000301	3	10	12	0.045	1.14	0.060	1.52	0.58	14.6	0.81	20.5	0.89	22.6	381	567	176
12000075	3	8	10	0.045	1.14	0.060	1.52	0.63	15.9	0.86	21.7	0.94	23.9	491	730	281
12000076	3	6	8	0.060	1.52	0.060	1.52	0.77	19.4	1.04	26.3	1.13	28.6	644	959	446
12000077	3	4	8	0.060	1.52	0.080	2.03	0.90	23.0	1.18	29.9	1.27	32.1	924	1375	665
12000303	3	3	6	0.060	1.52	0.080	2.03	0.96	24.5	1.24	31.4	1.33	33.7	1026	1526	866
12000078	3	2	6	0.060	1.52	0.080	2.03	1.03	26.1	1.30	33.0	1.39	35.3	1274	1896	1057
12000079	3	1	6	0.080	2.03	0.080	2.03	1.18	30.0	1.46	37.0	1.55	39.3	1539	2291	1304
12000080	3	1/0	6	0.080	2.03	0.080	2.03	1.26	31.9	1.53	38.9	1.65	42.0	1852	2757	1609
12000081	3	2/0	6	0.080	2.03	0.080	2.03	1.35	34.2	1.62	41.2	1.73	43.9	2165	3222	1997
12000098	3	3/0	4	0.080	2.03	0.080	2.03	1.45	36.8	1.73	43.8	1.84	46.6	2571	3827	2558
12000099	3	4/0	4	0.080	2.03	0.080	2.03	1.57	39.8	1.82	46.1	1.93	48.9	3196	4733	3173
12000100	3	250	4	0.090	2.29	0.110	2.79	1.77	44.9	2.12	53.9	2.25	57.2	3830	5700	3716
12000101	3	350	3	0.090	2.29	0.110	2.79	1.98	50.2	2.33	59.2	2.46	62.5	4990	7426	5171
12000102	3	500	3	0.090	2.29	0.110	2.79	2.24	56.9	2.60	65.9	2.76	70.0	6674	9932	7278
12000310	4	8	10	0.045	1.14	0.060	1.52	0.69	17.6	0.92	23.4	1.03	26.1	583	867	358
12000110	4	6	8	0.060	1.52	0.080	1.52	0.90	22.7	1.17	29.7	1.28	32.5	838	1247	569
12000502	4	4	8	0.060	1.52	0.080	2.03	1.00	25.3	1.27	32.3	1.35	34.3	1122	1669	861
12000256	4	3	6	0.060	1.52	0.080	2.03	1.09	27.6	1.36	34.5	1.44	36.6	1359	2022	1114
12000111	4	2	6	0.060	1.52	0.080	2.03	1.15	29.1	1.42	36.1	1.50	38.1	1580	2351	1369
12000104	4	2/0	6	0.080	2.03	0.080	2.03	1.49	37.8	1.76	44.6	1.87	47.4	2711	4034	2621
12000452	4	3/0	4	0.080	2.03	0.080	2.03	1.61	40.8	1.85	47.0	1.96	49.8	3395	5053	3345
12000456	4	4/0	4	0.080	2.03	0.110	2.79	1.79	45.6	2.03	51.6	2.14	54.4	4197	6239	4166
12000453	4	250	4	0.090	2.29	0.110	2.79	1.95	49.6	2.30	58.5	2.42	59.6	4828	7230	4889
12000217	4	350	3	0.090	2.29	0.110	2.79	2.19	55.6	2.54	64.5	2.65	67.4	6399	9522	6813
12000454	4	500	3	0.090	2.29	0.110	2.79	2.48	63.0	2.83	71.9	3.02	76.7	8555	12732	9622

Notes:

· Dimensions and weights shown are nominal values, subject to standard manufacturing tolerances.
· Ampacity in accordance with the Canadian Electrical Code, Part 1.
· Steel armor is not permitted in single conductor cables.
· Ampacity assuming 4th conductor is a neutral of a 3 phase, 4 wire system in accordance with the CE Code, Part 1.

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