

**FIREX® TECK90 1 KV FITTING SIZES AND AMPACITY**

SINGLE CONDUCTOR										
Part Number	# of Cond.	Conductor Size		Ampacity (A) 30°C Ambient <sup>2,3</sup>			Fittings <sup>4</sup>			
		Power	Bonding	60°C	75°C	90°C	Appleton	T & B	CMP Products	Cooper Crouse-Hinds
		AWG or kcmil	AWG							
12000506	1	350	1	425	505	570	TMC125163	10470AL/ST125-470	TMC150A	TECK125-8
12000507	1	500	1/0	520	620	700	TMC125163	10550AL/ST125-550	TMC150A	TECK125-9
12000794	1	750	2/0	655	785	885	TMC125188	10472AL/ST150-472	TMC200SA	TECK150-11

**Notes:**  
<sup>2</sup> Based on CE Code Table 1, for single conductors in free air.  
<sup>3</sup> The maximum conductor temperature (used to determine the maximum conductor ampacity) shall be based on the lowest temperature rating of the electrical equipment, any wire connector, or cable (CE Code Rule 4-006).  
<sup>4</sup> Ensure that only non-magnetic connectors, locknuts and ground bushings are used.

Part Number	# of Cond.	Conductor Size		Ampacity (A) 30°C Ambient <sup>2,4</sup>			Fittings			
		Power	Bonding	60°C	75°C	90°C	Appleton	T & B	CMP Products	Cooper Crouse-Hinds
		AWG or kcmil	AWG							
TWO CONDUCTORS										
12000213	2	12 <sup>3</sup>	14	20	20	20	TMC5099	10465-TB/ST050-465	TMC075A	TECK050-3
12000304	2	8	10	40	50	55	TMC5099	10466/ST050-466	TMC075A	TECK050-4
12000082	2	6	8	55	65	75	TMC75121	10467/ST075-467	TMC100A	TECK075-5

THREE CONDUCTORS										
12000302	3	12 <sup>3</sup>	14	20	20	20	TMC5099	10465-TB/ST050-465	TMC075A	TECK050-3
12000301	3	10 <sup>3</sup>	12	30	30	30	TMC5099	10466/ST050-466	TMC075A	TECK050-4
12000075	3	8	10	40	50	55	TMC5099	10467/ST075-467	TMC075A	TECK050-4
12000076	3	6	8	55	65	75	TMC75121	10468/ST075-468	TMC100A	TECK075-6
12000077	3	4	8	70	85	95	TMC100138	10469/ST100-469	TMC125A	TECK100-7
12000303	3	3	6	85	100	115	TMC100138	10469/ST100-469	TMC125A	TECK100-7
12000078	3	2	6	95	115	130	TMC125163	10470/ST125-470	TMC125A	TECK125-8
12000079	3	1	6	110	130	145	TMC125163	10470/ST125-470	TMC150A	TECK125-8
12000080	3	1/0	6	125	150	170	TMC125188	10471/ST125-471	TMC150A	TECK125-10
12000081	3	2/0	6	145	175	195	TMC125188	10471/ST125-471	TMC200SA	TECK125-10
12000098	3	3/0	4	165	200	225	TMC125188	10472/ST150-472	TMC200SA	TECK125-10
12000099	3	4/0	4	195	230	260	TMC150200	10472/ST150-473	TMC200A	TECK150-11
12000100	3	250	4	215	255	290	TMC200238	10474/ST200-474	TMC250SA	TECK200-14
12000101	3	350	3	260	310	350	TMC200275	10475/ST200-475	TMC250A	TECK200-15
12000102	3	500	3	320	380	430	TMC300A	10477/ST250-478	TMC300A	TECK200-16

FOUR CONDUCTORS										
12000310	4	8	10	40	50	55	TMC75121	10467/ST075-467	TMC100A	TECK075-5
12000110	4	6	8	55	65	75	TMC100138	10469/ST100-469	TMC125A	TECK100-7
12000502	4	4	8	70	85	95	TMC125163	10469/ST100-469	TMC125A	TECK125-8
12000256	4	3	6	85	100	115	TMC125163	10470/ST125-470	TMC150A	TECK125-8
12000111	4	2	6	95	115	130	TMC125163	10470/ST125-470	TMC150A	TECK125-8
12000104	4	2/0	6	145	175	195	TMC150200	10472/ST150-472	TMC200SA	TECK125-11
12000452	4	3/0	4	165	200	225	TMC150220	10473/ST200-551	TMC200A	TECK150-12
12000456	4	4/0	4	195	230	260	TMC150220	10551/ST200-474	TMC200A	TECK150-12
12000453	4	250	4	215	255	290	TMC200275	10475/ST200-475	TMC250A	TECK200-15
12000217	4	350	3	260	310	350	TMC200275	10553/ST250-478	TMC300A	TECK200-16
12000454	4	500	3	320	380	430	TMC300A	10554/ST300-480	TMC300A	TECK300-19

**Notes:**  
<sup>2</sup> Based on CE Code Table 2, for not more than 3 current carrying conductors in a cable or raceway, where the fourth conductor is the neutral of a three phase, four-wire system. Otherwise 80% of these values (CE Code Rule 4-004(3)).  
<sup>3</sup> The overcurrent protection shall not exceed 15 amperes for 14 AWG, 20 amperes for 12 AWG, and 30 amperes for 10 AWG after any correction factors for ambient temperature and number of conductors have been applied (CE Code Rule 14-104(2)), or as provided for by other Rules of the CE Code.  
<sup>4</sup> The maximum conductor temperature (used to determine the maximum conductor ampacity) shall be based on the lowest temperature rating of the electrical equipment, any wire connector, or cable (CE Code Rule 4-006).

