

TuffSpec™ Wire - Specification Data

Wire Size AWG	Stranding	Part Number	Diameter		Resistance Ohm/m @ 20°C		Tank Test Direct Current*	Weight lbs./1000 ft (kg/1000 m)	
			Conductor Inch (mm)	Insulation Inch (mm)	Silver	Nickel		Silver	Nickel
250 Volts - 60 Hz RMS - 750 Volts D.C. - 0.004 in Nom. Wall									
28	19 X 40	TS-28x4-xx	0.015 (0.38)	0.023 (0.58)	61.5	63.5	3000	0.8 (1.19)	0.8 (1.19)
26	19 X 38	TS-26x4-xx	0.019 (0.48)	0.027 (0.69)	38.4	42.2	3000	1.2 (1.79)	1.2 (1.79)
24	19 X 36	TS-24x4-xx	0.024 (0.61)	0.032 (0.81)	24.3	25.9	3000	1.8 (2.68)	1.8 (2.68)
22	19 X 34	TS-22x4-xx	0.03 (0.76)	0.038 (0.97)	15.1	16	3000	2.8 (4.17)	2.8 (4.17)
20	19 X 32	TS-20x4-xx	0.038 (0.97)	0.046 (1.17)	9.2	9.8	3000	4.3 (6.40)	4.3 (6.40)
18	19 X 30	TS-18x4-xx	0.047 (1.19)	0.055 (1.40)	5.8	6.1	3000	6.4 (9.52)	6.5 (9.67)
16	19 X 29	TS-16x4-xx	0.053 (1.35)	0.061 (1.55)	4.5	4.8	3000	8 (11.90)	8.1 (12.05)
14	19 X 27	TS-14x4-xx	0.066 (1.68)	0.074 (1.88)	2.9	3	3000	12.4 (18.45)	12.5 (18.60)
600 Volts - 60 Hz RMS - 1800 Volts D.C. - 0.0065 in Nom. Wall									
28	19 X 40	TS-28x6-xx	0.015 (0.38)	0.028 (0.71)	61.5	63.5	5000	1 (1.49)	1.4 (2.08)
26	19 X 38	TS-26x6-xx	0.019 (0.48)	0.032 (0.81)	38.4	42.2	5000	1.4 (2.08)	1.5 (2.23)
24	19 X 36	TS-24x6-xx	0.024 (0.61)	0.037 (0.94)	24.3	25.9	5000	2 (2.98)	2.1 (3.12)
22	19 X 34	TS-22x6-xx	0.03 (0.76)	0.043 (1.09)	15.1	16	5000	3.1 (4.61)	3.1 (4.61)
20	19 X 32	TS-20x6-xx	0.038 (0.97)	0.051 (1.30)	9.2	9.8	5000	4.7 (6.99)	4.6 (6.84)
18	19 X 30	TS-18x6-xx	0.047 (1.19)	0.06 (1.52)	5.8	6.1	5000	6.8 (10.12)	6.9 (10.27)
16	19 X 29	TS-16x6-xx	0.053 (1.35)	0.066 (1.68)	4.5	4.8	5000	8.5 (12.65)	8.6 (12.80)
14	19 X 27	TS-14x6-xx	0.066 (1.68)	0.079 (2.01)	2.9	3	5000	13 (19.34)	13.1 (19.49)
1000 Volts - 60 Hz RMS - 3000 Volts D.C. - 0.009 in Nom. Wall									
28	19 X 40	TS-28x9-xx	0.015 (0.38)	0.033 (0.84)	61.5	63.5	8000	1.2 (1.79)	1.6 (2.38)
26	19 X 38	TS-26x9-xx	0.019 (0.48)	0.037 (0.94)	38.4	42.2	8000	1.7 (2.53)	1.7 (2.53)
24	19 X 36	TS-24x9-xx	0.024 (0.61)	0.042 (1.07)	24.3	25.9	8000	2.3 (3.42)	2.4 (3.57)
22	19 X 34	TS-22x9-xx	0.03 (0.76)	0.048 (1.22)	15.1	16	8000	3.4 (5.06)	3.4 (5.06)
20	19 X 32	TS-20x9-xx	0.038 (0.97)	0.056 (1.42)	9.2	9.8	8000	5.1 (7.59)	5 (7.44)
18	19 X 30	TS-18x9-xx	0.047 (1.19)	0.065 (1.65)	5.8	6.1	8000	7.3 (10.86)	7.4 (11.01)
16	19 X 29	TS-16x9-xx	0.053 (1.35)	0.071 (1.80)	4.5	4.8	8000	9 (13.39)	9.1 (13.54)
14	19 X 27	TS-14x9-xx	0.066 (1.68)	0.084 (2.13)	2.9	3	8000	13.6 (20.24)	13.7 (20.39)

Insulation O.D is ±0.002"

*Tank Test conducted on a 10 ft. sample from each production Lot