



Fu Shan Electric Wire & Cable Co., Ltd

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600V 2CT Rubber Flexible Cable (TATUN)

According to CNS-10741

Conductor		Thickness of insulation (mm)	1C			2C			3C			4C			Max. conductor resistance $\Omega / km (20^{\circ}C)$	Insulation resistance $M\Omega / km$
Nominal sectional area (mm ²)	Number & Diameter of wire (mm)		Thick-ness (mm)	Overall diam. (mm)	Ampa-city (A)	Thick-ness (mm)	Overall diam. (mm)	Ampa-city (A)	Thick-ness (mm)	Overall diam. (mm)	Ampa-city (A)	Thick-ness (mm)	Overall diam. (mm)	Ampa-city (A)		
0.75	30 / 0.18	1.1	1.5	6.4	14	1.8	10.5	12	1.8	11.0	10	1.8	12.0	9	26.6	1000
1.25	50 / 0.18	1.1	1.6	7.0	19	1.8	11.5	16	1.8	12.0	14	1.9	13.0	13	16.0	1000
2.0	37 / 0.26	1.1	1.6	7.3	25	1.8	12.0	22	1.9	13.0	19	2.0	14.0	17	10.2	1000
3.5	45 / 0.32	1.1	1.6	8.0	37	1.9	13.5	32	2.0	14.5	28	2.1	16.0	25	5.54	1000
5.5	70 / 0.32	1.1	1.7	8.8	49	2.0	15.0	41	2.1	16.0	36	2.2	17.5	32	3.56	900
8	50 / 0.45	1.1	1.7	9.4	62	2.1	16.5	51	2.2	17.5	44	2.3	19.5	39	2.52	800
14	88 / 0.45	1.4	1.8	11.5	88	2.3	21.0	71	2.4	22	62	2.6	24.0	55	1.43	700
22	7 / 20 / 0.45	1.4	2.0	14.0	115	2.6	26.0	95	2.7	27	83	2.9	30.0	74	0.919	600
30	7 / 27 / 0.45	1.8	2.1	16.5	140	2.9	30.0	110	3.0	32	98	3.2	36.0	89	0.681	600
38	7 / 34 / 0.45	1.8	2.2	17.5	165	3.0	32.0	130	3.2	35	110	3.4	38.0	100	0.541	600
50	19 / 16 / 0.45	1.8	2.2	19.0	195	3.2	35.0	150	3.3	38	125	3.6	42.0	110	0.423	500
60	19 / 20 / 0.45	1.8	2.3	20.0	225	3.4	38.0	170	3.5	41	150	3.8	45.0	135	0.339	500
80	19 / 27 / 0.45	2.3	2.5	24.0	170	3.7	44.0	200	3.9	48	175	4.2	53.0	160	0.250	500
100	19 / 34 / 0.45	2.3	2.6	26.0	315	4.0	48.0	230	4.2	52	205	4.5	58.0	185	0.199	500

Instructions :

1. Maximum temperature of the conductor : 60°C. 2. Ambient temperature : below 40°C.
3. Ampacity above is counted with one wire in the air. If setting two, three, four or six wires, ampacity has multiplied by 80%, 70%, 60% or 50%.

Ambient temperature	40-45	45-50	50-55	55-60	60-65	Note : 40-45 means equal or more than 40°C, and less than 45°C. Others are the same.
Coefficient of ampacity	0.91	0.82	0.71	0.58	0.41	