



# Fu Shan Electric Wire & Cable Co., Ltd

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## 600V LHH Hypalon Cable (TATUN)

According to CNS-5747, JIS-C-3315

Conductor			Thickness of Mylar tape (mm)	Thickness of insulation			Overall diameter (mm)	Conductor Resistance max. $\Omega / km$	Test voltage V / min	Insulation Resistance $M\Omega / km$	Ampacity	
Nominal sectional area (mm <sup>2</sup> )	Number & Diameter of wire (mm)	Outer Diameter (mm)		Min. (mm)	Average (mm)	Standard (mm)					40°C (A)	75°C (A)
0.75	30 / 0.18 ± 0.008	1.1	0.05	0.88 ↑	0.99 ↑	1.1	3.40	25.8 ↓	1500/1	6	16	12
1.25	50 / 0.18 ± 0.008	1.5	0.05	0.88 ↑	0.99 ↑	1.1	3.70	15.5 ↓	1500/1	6	22	17
2	37 / 0.26 ± 0.01	1.8	0.05	0.88 ↑	0.99 ↑	1.1	4.10	9.91 ↓	1500/1	6	30	22
3.5	45 / 0.32 ± 0.01	2.5	0.05	0.88 ↑	0.99 ↑	1.1	4.70	5.38 ↓	1500/1	6	45	32
5.5	35 / 0.45 ± 0.01	3.1	0.05	0.88 ↑	0.99 ↑	1.1	5.30	3.46 ↓	1500/1	6	58	41
8	50 / 0.45 ± 0.01	3.7	0.05	0.88 ↑	0.99 ↑	1.1	5.90	2.45 ↓	1500/1	5	73	51
14	88 / 0.45 ± 0.01	4.9	0.05	0.88 ↑	0.99 ↑	1.1	7.10	1.39 ↓	2000/1	5	105	70
22	7 / 20 / 0.45 ± 0.01	6.7	0.05	1.12 ↑	1.26 ↑	1.4	9.60	0.892 ↓	2000/1	5	140	100
30	7 / 27 / 0.45 ± 0.01	8.1	0.05	1.12 ↑	1.26 ↑	1.4	11.00	0.661 ↓	2000/1	5	180	130
38	7 / 34 / 0.45 ± 0.01	9.1	0.05	1.12 ↑	1.26 ↑	1.4	11.54	0.525 ↓	2500/1	5	210	140
50	19 / 16 / 0.45 ± 0.01	10.4	0.05	1.44 ↑	1.62 ↑	1.8	13.45	0.411 ↓	2500/1	3	250	175
60	19 / 20 / 0.45 ± 0.01	11.6	0.05	1.44 ↑	1.62 ↑	1.8	14.25	0.329 ↓	2500/1	3	290	180
80	19 / 27 / 0.45 ± 0.01	13.5	0.05	1.44 ↑	1.62 ↑	1.8	16.25	0.243 ↓	2500/1	3	350	240
100	19 / 34 / 0.45 ± 0.01	15.2	0.05	1.84 ↑	2.07 ↑	2.3	18.65	0.193 ↓	2500/1	3	410	265
125	19 / 42 / 0.45 ± 0.01	16.9	0.05	1.84 ↑	2.70 ↑	3.0	20.80	0.156 ↓	2500/1	3	480	308
150	27 / 34 / 0.45 ± 0.01	18.7	0.05	1.84 ↑	2.70 ↑	3.0	22.10	0.136 ↓	3000/1	3	520	338
200	37 / 34 / 0.45 ± 0.01	21.2	0.05	2.12 ↑	2.70 ↑	3.0	25.50	0.0933 ↓	3000/1	3	630	410
250	37 / 42 / 0.45 ± 0.01	23.6	0.05	2.12 ↑	2.70 ↑	3.0	27.80	0.0803 ↓	3000/1	3	720	478
325	37 / 55 / 0.45 ± 0.01	27.0	0.05	2.12 ↑	2.70 ↑	3.0	29.50	0.0614 ↓	3000/1	3	840	564

Instructions :

1. Maximum temperature of the conductor : 90°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%.

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