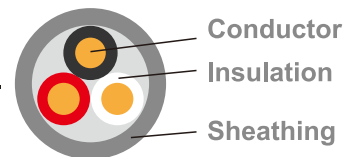


PVC-Insulated and Sheathed Wire

■ **Standard(s)** [VV] CNS 3301

■ Complies with the CNS 15663 (Restriction of Hazardous Substances; RoHS) standard

■ **Application** General instruments, machinery, and substation equipment as well as low-voltage and indoor wiring.



■ **Characteristics** Good electrical and mechanical properties, as well as resistance to combustion, chemicals, and oil.

Construction and properties table / 600V 2-4 core cable

Conductor			Nominal thickness of insulation	2-core cable		3-core cable		4-core cable		Maximum conductor resistance (Soft-drawn copper) (20°C)	Minimum insulation resistance (20°C)
Nominal cross-sectional area	Number of strands/strand diameter or shape	External diameter (approx.)		Nominal thickness of sheathing	Finished external diameter (approx.)	Nominal thickness of sheathing	Finished external diameter (approx.)	Nominal thickness of sheathing	Finished external diameter (approx.)		
mm ²	/mm	mm	mm	mm	mm	mm	mm	mm	mm	Ω/km	MΩ·km
2.0	7/0.6	1.8	0.8	1.5	10.4	1.5	10.9	1.5	11.8	9.42	50
3.5	7/0.8	2.4	0.8	1.5	11.6	1.5	12.2	1.5	13.2	5.30	50
5.5	7/1.0	3.0	1.0	1.5	13.6	1.5	14.3	1.5	15.6	3.40	50
8	7/1.2	3.6	1.2	1.5	15.5	1.5	16.5	1.5	18.0	2.36	50
	Round compact	3.4	1.2	1.5	14.9	1.5	15.8	1.5	17.2	2.34	50
14	7/1.6	4.8	1.4	1.5	19.0	1.5	20.0	1.6	22.0	1.33	40
	Round compact	4.4	1.4	1.5	17.9	1.5	19.0	1.5	20.8	1.34	40
22	7/2.0	6.0	1.6	1.6	23.0	1.6	24.0	1.7	27.0	0.840	40
	Round compact	5.5	1.6	1.5	21.4	1.6	22.9	1.7	25.3	0.849	40
30	7/2.3	6.9	1.6	1.6	24.0	1.7	26.0	1.8	29.0	0.635	40
	Round compact	6.4	1.6	1.6	23.3	1.7	25.0	1.7	27.4	0.622	40
38	7/2.6	7.8	1.8	1.7	27.0	1.8	29.0	1.9	32.0	0.497	40
	Round compact	7.3	1.8	1.7	25.7	1.8	27.5	1.9	30.4	0.491	40
50	19/1.8	9.0	1.8	1.8	29.0	1.9	31.0	2.0	35.0	0.386	30
	Round compact	8.4	1.8	1.8	28.8	1.8	30.6	2.0	34.5	0.373	30
60	19/2.0	10.0	1.8	1.9	32.0	2.0	34.0	2.1	38.0	0.309	30
	Round compact	9.3	1.8	1.9	31.0	1.9	33.0	2.1	36.9	0.311	30
80	19/2.3	11.5	2.0	2.0	36.0	2.1	38.0	2.3	42.0	0.234	30
	Round compact	10.7	2.0	2.0	35.0	2.1	37.4	2.2	41.4	0.234	30
100	19/2.6	13.0	2.0	2.2	39.0	2.3	42.0	2.5	47.0	0.184	30
	Round compact	12.0	2.0	2.1	37.8	2.2	40.4	2.4	45.1	0.187	30
125	19/2.9	14.5	2.2	2.3	43.0	2.4	46.0	2.6	51.0	0.147	20
	Round compact	13.5	2.2	2.2	41.6	2.3	44.5	2.5	49.9	0.149	20
150	37/2.3	16.1	2.2	2.5	47.0	2.6	50.0	2.8	56.0	0.120	20
	Round compact	14.7	2.2	2.3	45.0	2.5	48.6	2.7	54.1	0.124	30
200	37/2.6	18.2	2.4	2.7	52.0	2.8	56.0	3.0	62.0	0.0940	20
	Round compact	17.0	2.4	2.6	50.4	2.7	54.1	2.9	60.3	0.0933	20
250	61/2.3	20.7	2.4	2.9	58.0	3.0	62.0	3.3	69.0	0.0736	20
	Round compact	19.0	2.4	2.7	55.3	2.9	59.6	3.1	66.3	0.0754	20
325	61/2.6	23.4	2.6	3.1	64.0	3.3	69.0	3.6	77.0	0.0576	20
	Round compact	21.7	2.6	3.0	61.8	3.1	66.3	3.4	74.3	0.0579	20
Diameter 1.0	-	1.0	0.8	1.5	8.8	1.5	9.1	1.5	9.8	23.3	50
1.2	-	1.2	0.8	1.5	9.2	1.5	9.6	1.5	10.3	16.1	50
1.6	-	1.6	0.8	1.5	10.0	1.5	10.5	1.5	11.3	9.10	50
2.0	-	2.0	0.8	1.5	10.8	1.5	11.3	1.5	12.3	5.76	50
2.6	-	2.6	1.0	1.5	12.8	1.5	13.5	1.5	14.6	3.42	50
3.2	-	3.2	1.2	1.5	14.7	1.5	15.6	1.5	17.0	2.25	50



HONG TAI ELECTRIC INDUSTRIAL CO., LTD.

Headquarters: 20F., No. 65, Sec. 2, Dunhua S. Rd., Taipei City
 Guanyin Factory: No. 2, Guojian 1st Road, Guanyin Dist., Taoyuan City
 Taichung Sales Office: No. 500, Siwei E. Rd., Qingshui Dist., Taichung City
 Jiali Sales Office: No. 615, Wenhua W. Rd., Jiali Dist., Tainan City
 Kaohsiung Liaison Office: 12F.-6, No. 206, Guanghua 1st Rd., Lingya Dist., Kaohsiung City
 Website: www.hong-tai.com.tw

TEL: (02)2701-1000 / FAX: (02)2708-1100
 TEL: (03)483-7266 / FAX: (03)483-0630
 TEL: (04)2656-6571 / FAX: (04)2656-6572
 TEL: (06)722-7999 / FAX: (06)722-7977
 TEL: (07)227-1552~3 / FAX: (07)227-1841
 E-mail: p-sale@hong-tai.com.tw