



# Hold Key Electric Wire & Cable Co., Ltd.

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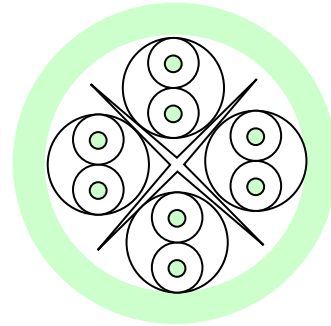
## Unshielded Twisted Pair Category 6

### STANDARD:

- ANSI/TIA 568C.2

### APPLICATION:

- High Speed Horizontal Cabling
- 100 Mbps TPDDI
- 1000 Base T
- 622 Mbps ATM
- IEEE802.3/IEEE802.5
- DIGITAL VIDEO etc.



### Construction:

No. of Pairs	Conductor	Insulation Thickness		Outer Diameter		Jacket	Insulation
		mm	Inch	mm	Inch		
4	24AWG 1/0.525	0.22	0.0087	6.0	0.236	PVC or LSZH	HDPE

### Electrical Characteristics

Item	Specification
Conductor Resistance	93.8 $\Omega$ /km 20°C Max
Mutual Capacitance	5.6 nF/100m Max.
Resistance Unbalance	5% Max.
Capacitance Unbalance	330 pF/100m Max.
Impedance	100 $\pm$ 15 $\Omega$



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## Electrical Performance

Frequency MHz	Attenuation Max.dB/100m	Return Loss dB	NEXT Min.dB/100m	P.S NEXT Min.dB/100m	ACR-F Min.dB/100m	PSACR-F Min.dB/100m
1	2.1	20.2	73.7	71.7	67.0	64.0
4	3.8	23.0	65.3	63.3	55.8	52.8
8	5.3	24.5	60.8	58.8	49.7	46.7
10	5.9	25.0	59.3	57.3	47.8	44.8
16	7.6	25.0	56.2	54.2	43.7	40.7
20	8.5	25.0	54.8	52.8	41.8	38.8
25	9.5	24.3	53.3	51.3	39.8	36.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9
62.5	15.4	21.5	47.4	45.4	31.9	28.9
100	19.8	20.1	44.3	42.3	27.8	24.8
250	32.8	17.3	38.3	36.3	19.9	16.9

PLEASE NOTE: For the reason of product improvement, Hold Key may make improvements or changes in the products, the programs or services described at any time without notice. Moreover, the information contained herein may include typo or technical errors. Changes will be periodically made to address any such issues.

All specifications, drawings, designs, plans and particulars of size, weight and dimensions contained in the data sheet or commercial documentation of Hold Key is indicative only and shall not be binding on Hold Key or be treated as constituting a representation on the part of Hold Key.

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