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### Electrical Characteristics

DC Resistance (max.) 7.32 ohms/100m.

DC Resistance Unbalance (max.) : 5%

Characteristic Impedance : 100 ± 15% Ohms

Delay skew (max.) 45 ns/100m

### Construction Details

Conductors : 23AWG Solid Bare copper wire.

Insu. / Thickness : Polyethylene 0.23mm

Color Code : Pair 1 = Blue-White/Blue

Pair 2 = Orange - White/Orange

Pair 3 = Green - White/Green

Pair 4 = Brown - White/Brown

Inner PE Jacket Diameter : 6.35 mm

Thickness : 0.55 mm

Outer PVC Jacket Diameter : 7.95 mm

Thickness : 0.80 mm

### Description

4 pair, 23AWG Solid, Polyethylene Insulation, Inner PE Jacket

Outer PVC Jacket, Category 6

### Messenger :

Nominal Diameter of Messenger : 1.30 mm

Nominal Diameter Overall Jacket for Messenger : 3.00 mm

Nominal Jacket Thickness for Messenger : 0.85 mm

### Listing and Retings


: ETL Verified TIA/EIA-568-B.2-1 CAT.6

: ETL Verified ISO/IEC 11801

: UL Type CMR (E135928)

: CSA Type CMG FT4

Freq. (Mhz)	Atten. dB/100m max	PS-NEXT dB(min)	PS-NEXT dB(min)	ACR dB(min)	PS ACR dB(min)	ELFEXT dB(min)	PS-ELFEXT dB(min)	Return Loss dB(min)	Propagation delay Max. delay (ns/100 m)
0.772	1.8	76.0	74.0	74.2	72.2	70.1	67.1	-	-
1	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20.0	570
4	3.7	65.3	63.3	61.5	59.5	55.8	52.8	23.0	552
8	5.3	60.8	58.8	55.5	53.5	49.8	46.8	24.6	546
10	5.9	59.3	57.3	53.4	51.4	47.8	44.8	25.0	545
16	7.5	56.3	54.3	48.7	46.7	43.8	40.8	25.0	543
20	8.4	54.8	52.8	46.3	44.3	41.8	38.8	25.0	542
25	9.5	53.4	51.4	43.9	41.9	39.9	36.9	24.4	541
31.25	10.6	51.9	49.9	41.2	39.2	37.9	34.9	23.7	540
62.5	15.3	47.4	45.4	32.0	30.0	31.9	28.9	21.6	538
100	19.8	44.3	42.3	24.5	22.5	27.8	24.8	20.1	537
200	28.9	39.8	37.8	10.8	8.8	21.8	18.8	18.0	536
250	32.8	38.4	36.4	5.5	3.5	19.9	16.9	17.4	536

Designed by - date	Checked by - date	Approved by - date	Date 27/04/2010	Size A4	Scale -
 HOSWELL TECHNOLOGY CO., LTD.			Part Name UTP CAT.6 OUTDOOR (SOLID-DOUBLE JACKET)	Unit -	
			Part No. 30022D-M	Issued 1	
			Ref. No. UTPCAT6-D-S	Sheet 1 of 1	
			Used On.		