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Electrical Characteristics

DC Resistance (max.) 9.38 ohms/100m.

DC Resistance Unbalance (max.) : 5%

Characteristic Impedance : 100 ± 15% Ohms

Propagation delay : 538ns/100m max. @100 MHz

Delay skew (max.) 45 ns/100m

Construction Details

Cond. Stranding : 24AWG (1/0.50mm) Solid Bare copper wire

Insu. / Thickness : Polyethylene 0.20 mm

Jacket / Thickness : PVC 0.70 mm

Norm. Diameter : 5.10 mm

Color Code :
 Pair 1 = Blue-White/Blue
 Pair 2 = Orange - White/Orange
 Pair 3 = Green - White/Green
 Pair 4 = Brown - White/Brown

Description

4 pair, 24AWG Solid, Polyethylene Insulation

PVC Jacket, CMR 75°C Category 5e Cable Tested to 350 MHz.

Listing and Retings

: ETL Verified TIA/EIA-568-B.2 CAT.5e

: UL Type CMR (E135928)


: CSA Type CMG FT4 (LL80602)

Packing : 305m reel in a box

NOTE :

Grey is the standard color
 other color can be negotiated

Freq. (Mhz)	Atten. dB/100m max	PS- NEXT dB(min)	PS- NEXT dB(min)	PS- ELFEXT dB(min)	PS- ELFEXT dB(min)	Return Loss dB(min)	Propagation delay Max. delay (ns/100 m)
0.772	1.8	67.0	64.0	66.1	63.1	-	-
1	2.0	65.3	62.3	63.8	60.8	20.0	570
4	4.0	56.3	53.3	51.8	48.8	23.0	552
8	5.7	51.8	48.8	45.8	42.8	24.6	546
10	6.4	50.3	47.3	43.8	40.8	25.0	545
16	8.2	47.3	44.3	39.8	36.8	25.0	543
20	9.2	45.8	42.8	37.8	34.8	25.0	542
25	10.4	44.4	41.4	35.9	32.9	24.4	541
31.25	11.7	42.9	39.9	33.9	30.9	23.7	540
62.5	16.9	38.4	35.4	27.9	24.9	21.6	538
100	21.9	35.3	32.3	23.8	20.8	20.1	537
200	32.4	30.8	27.8	17.8	14.8	18.0	536
250	36.8	29.4	26.4	15.9	12.9	17.4	536
350	44.8	27.2	24.2	13.0	10.0	16.3	535

Designed by - date	Checked by - date	Approved by - date	Date 21/09/2009	Size A4	Scale -
 HOSIWELL TECHNOLOGY CO., LTD.			Part Name Cat.5e UTP Horizontal Cable	Unit -	
			Part No. 30002-CC	Issued 1	
			Ref. No.	Sheet 1 of 1	
			Used On.		