



PRODUCT SPECIFICATIONS

Elite 350™ CAT5E 350 MHz LAN 4 *UTP Cable

STYLE	75°C 300V COMMUNICATION CABLE	DOCUMENT NO : TUR2404N09XX
SIZE	UTP 24AWG×4P	ESTABLISHED DATE : Feb./09/2001
STANDARD : UL444 & ISO/IEC 11801 & TIA-568-C.2 CAT 5E ; 2002/95/EC(RoHS)		
APPLICATION : HIGH PERFORMANCE LAN CABLE ARE SUITABLE FOR PERFECT AUDIO DATA AND VIDEO OF TRANSFER FOR HORIZONTAL NETWORK		
CONSTRUCTION :		
CONDUCTOR	SIZE	24AWG
	CONSTRUCTION	SOLID BARE COPPER
	AVG. THICK.	0.183 mm
	MIN. THICK.	0.173 mm
	DIAMETER	0.86 ± 0.02 mm
	MATERIAL	FRPE
	COLOR CODES	1.BLUE × WHITE/BLUE STRIPE 2.ORANGE × WHITE/ORANGE STRIPE 3.GREEN × WHITE/GREEN STRIPE 4.BROWN × WHITE/BROWN STRIPE
TWISTED	PAIR STRANDED	2 CORES STRANDED
	ASSEMBLY STRANDED	4 PAIR STRANDED
JACKETED	AVG. THICK.	0.45 mm
	MIN. THICK.	0.41 mm
	DIAMETER	4.80 ± 0.20 mm
	MATERIAL	FR PVC
	COLOR	GRAY OR OTHER COLOR
	RIP CORD	<input type="checkbox"/> YES <input checked="" type="radio"/> NO
PACKAGING	<input type="checkbox"/> ACCORDING TO CUSTOMER'S REQUEST	
	<input checked="" type="radio"/> ACCORDING WITH WONDERFUL HI-TECH CO.,LTD STANDARD	

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ELECTRICAL & PHYSICAL PROPERTIES :			
ITEM	24AWG × 4P		
RATING TEMP. VOLTAGE	75°C 300V		
CONDUCTOR RESISTANCE	9.38 OHM/100m/20°C MAX.		
MUTUAL CAPACITANCE	56 pF/M MAX.		
DIELECTRIC STRENGTH	AC 1.5 KV/2 SEC.		
SPARK TEST	2.5 KV		
INSULATION	UNAGED	TENSILE STRENGTH	2400 PSI MIN. (1.69 KG/m m ²)
		ELONGATION	300 MIN.
	AGED	TENSILE STRENGTH	UNAGED MIN. 75%(100°C ×48HRS)
		ELONGATION	UNAGED MIN. 75%(100°C ×48HRS)
JACKETED	UNAGED	TENSILE STRENGTH	2000 PSI MIN.(1.41 Kg/m m ²)
		ELONGATION	100 MIN.
	AGED	TENSILE STRENGTH	UNAGED MIN. 85%(100°C ×240HRS)
		ELONGATION	UNAGED MIN. 50%(100°C ×240HRS)
INSULATION SHRINKBACK		150m/m, 121°C ±1°C ×1HR ≤ 9.5m/m	
COLD BEND TEST		-20°C ×4HRS NO CRACK	
FLAME RETARDANT TEST		CMR	
AC LEAKAGE CURRENT THROUGH OVERALL JACKET		AC 1500V ≤ 10 mA	
TEMPERATURE RATING INSTALLATION		0~50°C	
TEMPERATURE RATING OPERATION		-20~60°C	
DC RESISTANCE UNBALANCE		5% MAX.	
PAIR-TO-GROUND CAPACITANCE UNBALANCE		330 pF/100m MAX.	
PROPAGATION DELAY		350 MHz 535.9nS/100m MAX.	
DELAY SKEW		1 ~ 350 MHz 45nS/100m MAX.	
MARKING :			
ELITE 350 CAT 5E GIGASYSTEM TESTED TO 350MHZ---E142890 UTP 4PR 24AWG 75°C C(UL)US CMR---ETL VERIFIED TO TIA-568-C.2 MMYR RoHS COMPLIANT XXXXFT			

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Electrical Performance

ITEM(dB) Frequency (MHz)	IL MAX. (dB/100m)	NEXT MIN. (dB)	ACR MIN. (dB)	PS. NEXT MIN. (dB)	PS. ACR MIN. (dB)	ACRF MIN. (dB/100m)	PS. ACRF MIN. (dB/100m)	R.L. MIN. (dB)
1	2.0	65.3	63.3	62.3	60.3	63.8	60.8	20.0
4	4.1	56.3	52.2	53.3	49.2	51.7	48.7	23.0
8	5.8	51.8	46.0	48.8	43.0	45.7	42.7	24.5
10	6.5	50.3	43.8	47.3	40.8	43.8	40.8	25.0
16	8.2	47.3	39.1	44.3	36.1	39.7	36.7	25.0
20	9.3	45.8	36.5	42.8	33.5	37.8	34.8	25.0
25	10.4	44.3	33.9	41.3	30.9	35.8	32.8	24.3
31.25	11.7	42.9	31.2	39.9	28.2	33.9	30.9	23.6
62.5	17.0	38.4	21.4	35.4	18.4	27.8	24.8	21.5
100	22.0	35.3	13.3	32.3	10.3	23.8	20.8	20.1
155	28.1	32.5	4.4	29.5	1.4	20.0	17.0	18.8
200	32.4	30.8	0	27.8	N.A	17.7	14.7	18.0
240	36	29.6	N.A	26.6	N.A	16.2	13.2	17.4
300	41	28.2	N.A	25.2	N.A	14.2	11.2	16.8
350	44.9	27.1	N.A	24.1	N.A	12.9	9.9	16.3

Values above 100MHz are for Engineering Information Only

