

STYLE	75°C 300V COMMUNICATION CABLE	DOCUMENT NO : TPM2404N35XX
SIZE	UTP 24AWG×4P	ESTABLISHED DATE : Feb./22/2002
STANDARD : UL444 & ISO/IEC 11801 & TIA-568-C.2 CAT5E ; 2011/65/EU(RoHS)		
APPLICATION : HIGH PERFORMANCE LAN CABLE ARE SUITABLE FOR PERFECT AUDIO DATA AND VIDEO OF TRANSFER FOR WORK AREA NETWORK		
CONSTRUCTION :		
CONDUCTOR	SIZE	24AWG
	CONSTRUCTION	BARE STRANDED COPPER
INSULATION	AVG. THICK.	0.196 mm
	MIN. THICK.	0.186 mm
	DIAMETER	0.97 ± 0.02 mm
	MATERIAL	HDPE
	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.	0.50 mm
	MIN. THICK.	0.47 mm
	DIAMETER	5.30 ± 0.2 mm
	MATERIAL	PVC
	COLOR	GRAY OR OTHER COLOR
PACKAGING	☐ ACCORDING TO CUSTOMER'S REQUEST	
	☒ ACCORDING WITH WONDERFUL HI-TECH CO.,LTD STANDARD	

ELECTRICAL & PHYSICAL PROPERTIES :			
ITEM			24AWG × 4P
RATING TEMP. VOLTAGE			75°C 300V
CONDUCTOR RESISTANCE			9.38 OHM/100m20°C MAX.
MUTUAL CAPACITANCE			56 pF/M MAX.
DIELECTRIC STRENGTH			AC 1.5 KV/2 SCE.
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			150mm, 121°C±1°C×1HR≤9.5mm
COLD BEND TEST			-20°C×4HRS NO CRACK
FLAME RETARDANT TEST			CM
AC LEAKAGE CURRENT THROUGH OVERALL JACKET			AC 1500V ≤ 10 mA
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.



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PRODUCT SPECIFICATIONS

Elite 350™ CAT5E 350 MHz LAN 4 *UTP Cable

MARKING :

ELITE 350 PATCH CABLE CAT 5E GIGASYSTEM---E142890 UTP 4PR 24AWG 75°C C(UL)US
CM---ETL VERIFIED TO TIA-568-C.2 MMY RoHS COMPLIANT XXXXFT

ical Performance

ITEM(dB)	IL	NEXT	ACR	PS. NEXT	PS. ACR	ACRF	PS. ACRF	R.L.
Frequency (MHz)	MAX. (dB/100m)	MIN. (dB)	MIN. (dB)	MIN. (dB)	MIN. (dB)	MIN. (dB/100m)	MIN. (dB/100m)	MIN. (dB)
1	2.4	65.3	62.9	62.3	59.9	63.8	60.8	20.0
4	4.9	56.3	51.4	53.3	48.4	51.7	48.7	23.0
8	6.9	51.8	44.9	48.8	41.9	45.7	42.7	24.5
10	7.8	50.3	42.5	47.3	39.5	43.8	40.8	25.0
16	9.8	47.3	37.5	44.3	34.5	39.7	36.7	25.0
20	11.2	45.8	34.6	42.8	31.6	37.8	34.8	25.0
25	12.5	44.3	31.8	41.3	28.8	35.8	32.8	24.2
31.25	14.0	42.9	28.9	39.9	25.9	33.9	30.9	23.3
62.5	20.4	38.4	18.0	35.4	15.0	27.8	24.8	20.7
100	26.4	35.3	8.9	32.3	5.9	23.8	20.8	19.0
155	33.7	32.5	0	29.5	NA	20.0	17.0	17.4
200	38.9	30.8	NA	27.8	NA	17.7	14.7	16.4
240	43.2	29.6	NA	26.6	NA	16.2	13.2	15.7
300	49.2	28.2	NA	25.2	NA	14.2	11.2	14.9
350	53.9	27.1	NA	24.1	NA	12.9	9.9	14.3

