

DESCRIPTION:-
KAYBE CAT6A FTP - 23AWG CABLE, 500M, LOW SMOKE ZERO HALOGEN PVC (LSZH)
PART NAME: CAT6A ULTRA 10GFTP
CONSTRUCTION DATA SHEET

OPERATING TEMPERATURE		—15°C TO 70°C
CONDUCTOR	DESCRIPTION	CAT6A 23 AWG X 4 Pairs Solid Cond. FTP NETWORKING Cable
	COND.MATERIAL	ANNEALED BARE COPPER
	NO OF STRANDS	1 Nos
	CONDUCTOR (MM)	0.555 ± 0.015 mm
INSUALTION	MATERIAL	HDPE (High Density Polyethylene)
	THICKNESS (MM)	0.20 mm (Nominal)
	DIAMETER (MM)	1.05 ± 0.10 mm
PAIR TWISTING	# PAIR SEQUENCE	Pair - 1 Blue + White-Blue
		Pair - 2 Orange + White-Orange
		Pair - 3 Green + White-Green
		Pair - 4 Brown + White-Brown
LAYING STAGE	4 PAIR LAID UP	All of the 4pair twisted together With Seperator i.e. (⌘) Cross Filler
	RIP CORD	Available
SHIELDING	POLYSTER TAPE	100% Coverage
	AL-MYLAR TAPE	100% Coverage
	DRAIN WIRE	1/0.400± 0.008 ATC
	MATERIAL	LOW SMOKE ZERO HALOGEN - LSZH
OUTER SHEATH	THICKNESS (MM)	0.60 mm (Nominal)
	DIAMETER (MM)	7.50 ± 0.30 mm
	COLOUR	Dark Blue or Grey


ELECTRICAL PARAMETER

CONDUCTOR RESISTANCE AT 20°C	93.80 Ω/Km (Maximum)
RESISTANCE DC UNBALANCE	5% (Maximum)
INSULATION RESISTANCE	>500.0 MΩ/KM AT 500 VDC
DIELECTRIC STRENGTH	1.0 KV AC for 1 Minute (Withstood)
SPARK TEST	1.5 KV AC for 0.15 Seconds (Withstood)
CAPACITANCE TO 1KHz (Approx)	5.6nF/100m

MECHANICAL PERFORMANCE		INSULATION	PVC JACKET
INSULATION & SHEATH	TENSILE STRENGTH	13.79 N/mm (Minimum)2	10.00 N/mm2 (Minimum)
	ELONGATION	300% (Minimum)	150% (Minimum)
HOT DEFORMATION TEST (PVC Jacketing)		50% Maximum (80 ± 2 C for 4h)	
HEAT SHOCK TEST (PVC Jacketing)		150 ± 2 C X 1 hrs (No Cracks)	
COLD BEND TEST (PVC Jacketing)		(-15 ± 2 C for 2-3 hrs (No Cracks)	
BENDING RADIUS TEST		10 Times of Overall Dia (No Cracks)	

PACKING STANDARD

PACKING STANDARD	305 METERS OR 500METERS WOODEN DRUM
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Note: -

- 1.All Materials , used in product , are RoHS standard compliant
- 2.Supporting fluke pass report up to 90 meters

KAYBE is a brand registered in middle east and gulf with dealing in Cables, Networking & Satellite Telecommunications Products since 1987. Our Cables include Lan Cables, Telecommunication, Coaxial Cable, Alarm cables, Lift cable

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HIGH FREQUENCY ELECTRICAL PARAMETERS

FREEQ (MHz)	INS LOSS (dB/100m) Max.	NEXT Pair to Pair (dB/100m) Min.	NEXT Power Sum (dB/100m) Min.	ELFEXT Pair to Pair (dB/100m) Min.	ELFEXT Power Sum (dB/100m) Min.	Return Loss (dB/100m)
1	2.3	65.0	62.0	63.3	60.3	19.00
4	4.2	63.0	60.5	51.2	48.2	19.00
8	5.8	58.2	55.6	45.2	42.2	19.00
10	6.5	56.6	54.0	43.3	40.3	19.00
16	8.2	53.2	50.6	39.2	36.2	18.00
20	9.2	51.6	49.0	37.2	34.2	17.50
25	10.2	50.0	47.3	35.3	32.3	17.00
31.30	11.5	48.4	45.7	33.4	30.4	16.50
62.5	16.4	43.4	40.6	27.3	24.3	14.00
100	20.9	39.9	37.1	23.3	20.3	12.00
250	33.9	33.1	30.2	15.3	12.3	8.00
300	37.4	31.7	28.8	13.7	10.7	7.20
400	43.7	28.7	25.8	11.2	8.2	6.00
500	49.3	26.1	23.2	9.3	6.3	6.00

Note: -

1. All Materials, used in product, are RoHS standard compliant
2. The Cable meets international Fluke Pass Standard & UL

Packaging:


Compatible Products for CAT6A Solutions:

- KAYBE CAT 6A STP - Tool less Keystone Jack
- KAYBE CAT 6A STP - RJ45 Connectors 50u
- KAYBE CAT 6A SFTP Patch Cords
- KAYBE CAT 6A Patch Panel - STP 24port & 48port