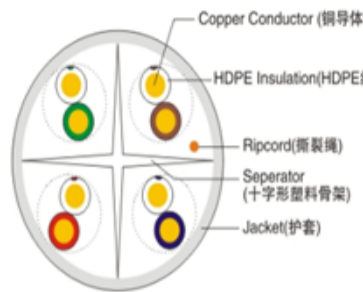


96092, 96096, 96097: CAT 6a network cable, blue | **TECHNICAL DATA SHEET**

100 Ω CAT6A UTP 4pairs cable category6A - 500MHz - Eca LSZH sheath



96092: 50m (ROLL)
 96096: 100m (ROLL)
 96097: 305m (BOX)

CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE: SOLID-Bare copper	Max. linear resistance.	Ω/km	≤68
DIAMETER: 0.57mm±0.005mm	Mutual capacity (nom.)	pF/m	56
AWG: 23 AWG	Unbalance capacity max (p/p at 1 KHz)	pF/km	1600
2-INSULATION	Characteristic impedance (1 at 100 MHz)	Ω	100±15
TYPE: HDPE	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
DIAMETER: 1.06mm±0.05mm	Marking		
3-SYNTHETICAL SEPARTION FOIL:	CAT 6a network cable, U/UTP, blue		
4-DRAIN WIRE: no	CU, AWG 23/1 (solid), LSZH		
5-SHIELDING: no			
6-RIP CORD			
YES			
7-OUTER JACKET			
TYPE: Eca LSZH			
COLOUR: blue			
THICKNESS: 0.56mm±0.05mm			
EXTERNAL DIAMETER: 6.3mm±0.5mm			

Test Request: Network Analyzer 100m

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	20	1,9	74	72,3	68	65
4	23	3,7	65	63,3	56	53
8	24,5	5,3	60,7	48,8	49,9	46,9
10	25	5,9	59	57,3	48	45
16	25	7,5	56	54,2	43,9	40,9
20	25	8,4	55	52,8	42	39
25	24,3	9,5	53,3	41,3	40	37
31,25	23,6	10,6	52	49,9	38,1	35,1
62,5	21,5	15,4	47	45,4	32,1	29,1
100	20,1	19,8	44	42,3	28	25
200	18	29	40	37,8	22	19
250	17,3	32,8	38,3	36,3	20	17
300	16,8	36,4	37,1	34,1	18,5	15,5
500	15,2	48,9	33,8	30,8	14	11
550	14,9	51,8	33,2	31,2	12,9	9,9

OTHER CHARACTERISTICS

Reaction to fire: Eca;
 EN 50575:2014+A1: 2016
 FIRE BEHAVIOUR: IEC60332-2



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