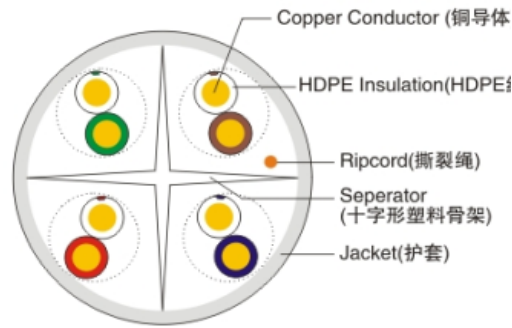


100 Ω CAT6A UTP 4pairs cable category6A - 500MHz - Eca LSZH sheath



CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE: SOLID-Bare copper	Max. linear tesistance.	Ω/km	≤ 73
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 250 MHz)	Ω	100±15
TYPE: HDPE	Characteristic impedance (251 at 500 MHz)		100±22
DIAMETER: 1.03mm±0.05mm	VELOCITY OF PROPAGATION (f > 1MHz)	%of c	67
3-SYNTHETICAL SEPARTION FOIL:	Marking		
4-DRAIN WIRE: no	CAT 6A U/UTP unshielded 4x2xAWG23/1 CU SOLID 100 OHM 500MHz EIA-TIA 568 LSZH Halogen free CPR "#AO-919-XX" xxxM		
5-SHIELDING: no			
6-RIP CORD			
YES			
7-OUTER JACKET			
TYPE: Eca LSZH			
COLOUR: GREY			
THICKNESS: 0.56mm±0.05mm			
EXTERNAL DIAMETER: 6.4mm±0.3mm			

Test Request: Network Analyzer 100m

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ACR-F (dB)	PSACR-F (dB)
1	20	2, 1	74, 3	72, 3	67, 8	64, 8
4	23	3, 8	65, 3	63, 3	55, 8	52, 8
8	24, 5	5, 3	60, 8	58, 8	49, 7	46, 7
10	25	5, 9	59, 3	57, 3	47, 8	44, 8
16	25	7, 5	56, 2	54, 2	43, 7	40, 7
20	25	8, 4	54, 8	52, 8	41, 8	38, 8
25	24, 3	9, 4	53, 3	51, 3	39, 8	36, 8
31, 25	23, 6	10, 5	51, 9	49, 9	37, 9	34, 9
62, 5	21, 5	15	47, 4	45, 4	31, 9	28, 9
100	20, 1	19, 1	44, 3	42, 3	27, 8	24, 8
200	18	27, 6	39, 8	37, 8	21, 8	18, 8
250	17, 3	31, 1	38, 3	36, 3	19, 8	16, 8
300	16, 8	34, 3	37, 1	35, 1	18, 3	15, 3
400	15, 9	40, 1	35, 3	33, 3	15, 8	12, 8
500	15, 2	45, 3	33, 8	31, 8	13, 8	10, 8

OTHER CHARACTERISTICS

FIRE BEHAVIOUR: IEC60332-1
PACKING: 50 m Cable Reel-spool (96092)
100 m Cable Reel-spool (96096)
305 m Cable Reel-spool (96097)



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