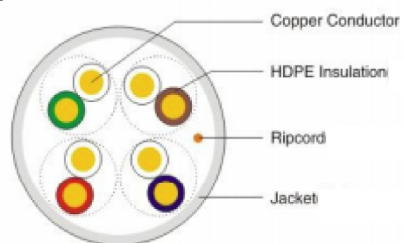


REF:ETL CAT5E-UTP

TECHNICAL DATA SHEET

100 Ω CAT5E UTP 4pairs cable category5 - 350MHz - PVC CM /CMR sheath

CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE:SOLID-Bare copper			
DIAMETER:0.48mm $\pm$ 0.005mm	Max.linear tesistance.	Ω /km	$\leq$ 115
AWG:24			
2-INSULATION			
TYPE:PE solid	Mutual capacity(nom.)	pF/m	56
DIAMETER:0.88mm $\pm$ 0.03mm	Unbalance capacity max (p/p at 1 KHz)	pF/km	1600
3-SYNTHETICAL SEPARTION FOIL:			
polyester	Characteristic impedance (1 at 100 MHz)	Ω	100 $\pm$ 15
4-DRAIN WIRE:			
5-SHIELDING:			
6-RIP CORD	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
YES			
7-OUTER JACKET			
TYPE:PVC CM/CMR			
COLOUR:GREY			
THICKNESS:0.55mm			
EXTERNAL DIAMETER: 5.1mm $\pm$ 0.2mm			

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSSELFEXT (dB)
1	20.0	2.0	62.3	62	60.8	61
4	23.0	4.1	53.3	53	48.8	49
10	25.0	6.5	47.3	47	40.8	41
16	25.0	8.2	44.2	44	36.7	37
20	25.0	9.3	42.0	43	34.8	35
25	24.3	10.4	41.3	41	32.8	33
31.25	23.6	11.7	39.9	40	30.9	31
62.5	21.5	17.0	38.4	35	24.9	25
100	20.1	22.0	35.3	32	23.8	21
125	19.5	24.9	33.9	31	21.9	19.9
200	18.0	32.5	30.8	28	17.8	14.8
250	17.3	36.9	29.4	26	15.9	12.9
300	16.8	41.0	28.2	25	14.3	11.3
350	16.3	44.9	27.2	24	12.9	9.9

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:

WHIGHT: kg/km

FIRE BEHAVIOUR:IEC60332-2

PACKING:305m BOX

