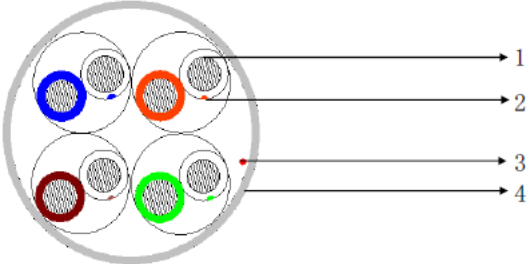


Technical specification/ Data sheet

LAN cable: B/CAT5E UTP

B/CAT5E UTP			
100 Ω UTP 4pairs cable category5e - 100MHz - PVC sheath			
			
CABLE DESCRIPTION			
1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE:SOLID-Bare copper	Max.linear tesistance.	Ω /km	≤95.5
DIAMETER:0.470mm±0.005mm	Mutual capacity(nom.)	pF/m	50
AWG:24	Unbalance capacity max (p/p at 1 KHz)	pF/km	1600
2-INSULATION	Characteristic impedance (1 at 100 MHz)	Ω	100±15
TYPE:PE solid	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
DIAMETER:0.90mm±0.01mm			
3-RIP CORD			
YES			
4-OUTER JACKET	Marking		
TYPE:PVC			
COLOUR:WHITE			
THICKNESS:0.55mm	B/CAT5E UTP BERGMAN INDUSTRY (UTP CAT.5E) CE		
EXTERNAL DIAMETER:5.2mm±0.5mm	ROHS 001m.....305m		

ELECTRICAL CHARACTERISTICS						
Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	20.0	2.10	65.3	62.3	63.8	60.8
4	23.0	4.12	56.3	53.3	51.8	48.8
10	25.0	6.60	50.3	47.3	43.8	40.8
16	25.0	8.20	47.2	44.2	39.7	36.7
20	25.0	9.30	45.8	42.0	37.8	34.8
25	24.3	10.40	44.3	41.3	35.8	32.8
31.25	23.6	11.70	42.9	39.9	33.9	30.9
62.5	21.5	17.00	38.4	35.4	27.9	24.9
100	20.1	22.00	35.3	32.3	23.8	20.8

OTHER CHARACTERISTICS	
MINIMUM BENDING RADIUS:10×Diameter	
WHIGHT:27kg/km	
FIRE BEHAVIOUR:IEC 332-1	
PACKING:305m BOX	