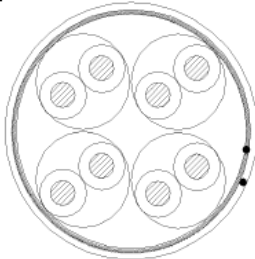


Technical specification/ Data sheet

LAN cable: B/CAT5E FTP

100 Ω FTP 4pairs cable category5e - 100MHz - PVC sheath



CABLE DESCRIPTION			
1-CONDUCTOR TYPE:SOLID-Bare copper DIAMETER:0.485mm±0.005mm AWG:24 2-INSULATION TYPE:PE solid DIAMETER:0.90mm±0.01mm 3-RIP CORD YES 5-SHIELDING:Aluminium/polyester 4-OUTER JACKET TYPE:PVC COLOUR:WHITE THICKNESS:0.55mm EXTERNAL DIAMETER:5.2mm±0.5mm	PARAMETER	UNIT	VALUE
	Max.linear tesistance.	Ω /km	≤95.5
	Mutual capacity(nom.)	pF/m	50
	Unbalance capacity max (p/p at 1 KHz)	pF/km	1600
	Characteristic impedance (1 at 100 MHz)	Ω	100±15
	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
	Marking		
	B/CAT5E FTP BERGMAN INDUSTRY (FTP CAT.5E) CE 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