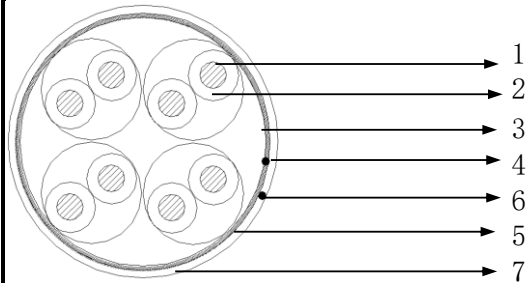


PART NO:FPC-5270E-SOL

TECHNICAL DATA SHEET

DESCRIPTION: CAT5E FTP INDOOR CABLE PVC SHEATH 100Ω 100 MHZ



CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
MATERIAL:SOLID-CCA(20%)	Max.linear tesistance.	Ω/km	≤94
DIAMETER:0.51mm±0.008mm AWG:24	Mutual capacity(nom.)	pF/m	50
2-INSULATION	Unbalance capacity max	pF/km	1600
TYPE:PE solid	Characteristic impedance (1 at 100 MHz)	Ω	100±15
DIAMETER:1.02mm±0.02mm	Rating Voltage	Voltage/km	600
3-SYNTHETICAL SEPARTION FOIL:polyester	VELOCITY OF PROPAGATION (f > 1MHz)	%of c	66
4-DRAIN WIRE:	Marking		
CCS: 0.4mm	FPC-5270E-SOL CAT5e FTP LAN		
5-SHIELDING:Aluminium/polyester	cable PVC (CCA) solid AWG24/0.51mm CABLEXPRT CE		
Coverage 110%	ISO/IEC 11801 001M,002M...305M		
6-RIP CORD			
YES			
7-OUTER JACKET			
TYPE:PVC			
COLOUR: LIGHT GREY			
THICKNESS:0.5mm			
EXTERNAL DIAMETER:6.2mm±0.5mm			

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuatin (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	20,0	2,04	65,3	62,3	63,8	60,8
4	23,0	4,10	56,3	53,3	51,8	48,8
10	25,0	6,50	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:10xDiameter

WEIGHT:25kg/km

FIRE GRADE:IEC332-1/CRP Eca

PACKING:305M PER PULL OUT BOX

NINGBO LCK ELECTRONICS CO.,LTD

Pre pared by: David Date:JULY 28,2023 Rev.:1

Approved by: Sannedy Date:JULY 28,2023 Page1of1