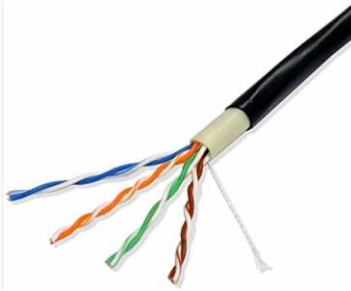


Description: CAT5E UTP OUTDOOR CABLE PVC+PE SHEATH 100 Ω 100 MHZ



CABLE CONSTRUCTION & CHARACTERISTICS

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE:SOLID-CCA(20%)	Max.linear tesistance.	Ω /km	≤95.5
DIAMETER:0.51mm±0.008mm	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			
TYPE:PVC+ PE			
COLOUR:BLACK			
THICKNESS:0.55mm			
EXTERNAL DIAMETER:6.0mm±0.3mm			
	Marking		
	CAT5e UTP LAN cable PVC/PE (CCA) solid AWG24/0.51mm CABLEXPERT CE ISO/IEC 11801 001M,002M...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:10xDiameter

WEIGHT:29kg/km

FIRE GRADE:IEC 332-1/CPR Fca

PACKING:305M/DRUM

Prepared by: David Date JULY 28,2023 Rev.:1

Approved by: Sannedy Date:JULY 28,2023 Page1of1

