

4pairs cable category5e

Braid
 PET
 Copper Conductor
 HDPE Insulation
 Pair
 Jacket
 Aluminum Foil
 Rip Cord



COLOUR:
 BLUE-WHITE/BLUE
 ORANGE-WHITE/ORANGE
 GREEN-WHITE/GREEN
 BROWN-WHITE/BROWN



CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE:SOLID-Copper wire	Max.linear tesistance.	Ω /km	≤100
DIAMETER:0.51±0.005mm			
AWG:24/1	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:0.9mm±0.01mm	VELOCITY OF PROPAGATION (f> 1MHz)	%of c	66
3-SHIELDING:PET/AI FOIL	Marking		
Coverage 110%	CAT 5e SF/UTP Double Shielded 4x2xAWG24/1 CU SOLID		
4-Drain wire	100OHM 100MHz EIA-TIA 568		
0.45mm CCA	Reaction to fire: Eca; EN 50575:2014+A1: 2016		
5-Braiding 64*0.12 AL wire			
6-RIP CORD			
YES			
7-OUTER JACKET			
TYPE:PVC			
COLOUR:Grey			
THICKNES:0.55mm			
EXTERNAL DIAMETER:5.7mm±0.2mm			
PASS 90m FLUKE TEST			

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuatin (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1			65,3	62,3	63,8	60,8
4			56,3	53,3	51,8	48,8
10			50,3	47,3	43,8	40,8
16			47,2	44,2	39,7	36,7
20			45,8	42,0	37,8	34,8
25			44,3	41,3	35,8	32,8
31,25			42,9	39,9	33,9	30,9
62,5			38,4	35,4	27,9	24,9
100			35,3	32,3	23,8	20,8

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:10×Diameter
 PACKING:100m/ROLL



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