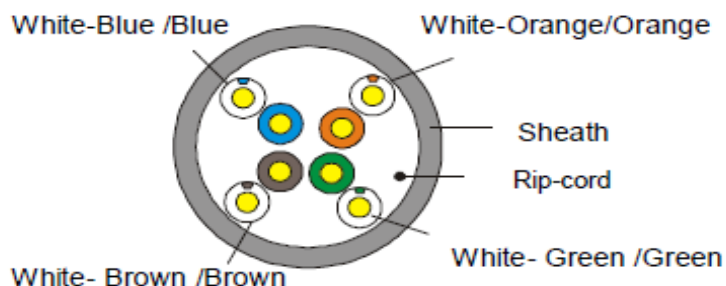


UTP 4pairs cable category5e - PE sheath



COLOUR:

BLUE-WHITE/BLUE

ORANGE-WHITE/ORANGE

GREEN-WHITE/GREEN

BROWN-WHITE/BROWN



CABLE DESCRIPTION

1-CONDUCTOR

TYPE:SOLID-Copper clad aluminum wire

DIAMETER:0.51±0.005mm

AWG:24/1

2-INSULATION

TYPE:PE solid

DIAMETER:0.9mm±0.01mm

3-RIP CORD

YES

4-OUTER JACKET

TYPE:PE

COLOUR:BLACK

THICKNES:0.5mm

EXTERNAL DIAMETER:5.0mm±0.2mm

PASS 70m FLUKE TEST

Operating temperature: -20 - 75°C

PARAMETER

UNIT

VALUE

Max.linear tesistance.

 Ω /km

≤150

Mutual capacity(nom.)

pF/m

50

Unbalance capacity max

pF/km

1600

Characteristic impedance
(1 at 100 MHz) Ω

100±15

VELOCITY OF PROPAGATION
(f>1MHz)

%of c

66

Marking

CAT 5e outdoor network cable, U/UTP, black
CCA copper mixture for SOHO applications, AWG 24/1
(solid), PE

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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