

CAT5E UTP 24AWG PE

RoHS Compliant

Construction

Conductor

Material
Size
Construction

CAT5E UTP 24AWG 4P PE
(EXTERNAL)

Bare Copper
24AWG
1/0.480± 0.006

Insulation

Material
Thickness

HD-PE
Min at any point – 0.18mm
Max - 0.20mm

Diameter
Colours

0.87 ± 0.02
Blue -White/Blue
Orange -White/Orange
Green – White/Green
Brown – White/Brown

Jacket

Material
Thickness

LD-PE OR LSZH
Min – 0.50mm (Outside)
Max – 0.65mm (Outside)

Diameter
Colours

4.8 ± 0.3
Black

Electrical Characteristics at 20°C

Spark Test

2000 ± 250 VOC

Conductor Resistance

Max 9.38 Ω/100m at 20°C

Resistance Unbalance

Max 5%

Capacitance Unbalance

Max 330pF/100m

Mutual Capacitance

Max 560pF/100m

Impedance

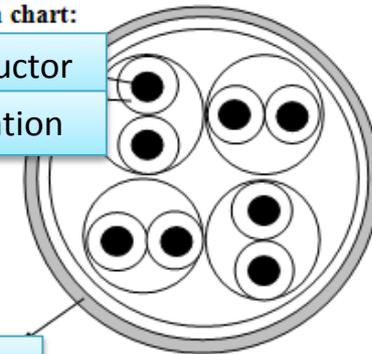
0.772-100MHz 100 Ω ± 15

Section chart:

Conductor

Insulation

Jacket PE



Information in this data sheet supplied to users is based on general experience and is given in good faith, but because of the many particular factors which are outside our knowledge which affect the use of the products, no warranty is given nor implied with respect to such information. Users should make their own enquiries to determine stability of the products.

	RL (dB)	ATT (db/100)	NEXT (dB)	Next Power Sum (dB)
772KHz	20.0	1.8	67.0	64.0
1MHz	20.0	2.0	65.3	62.3
4MHz	23.0	4.1	56.3	53.3
8MHz	24.0	5.8	51.8	48.8
10MHz	25.0	6.5	50.3	47.3
16MHz	25.0	8.2	47.3	44.3
20MHz	25.0	9.3	45.8	42.8
25MHz	24.2	10.4	44.3	41.3
31.25MHz	23.3	11.7	42.9	39.9
62.5MHz	20.7	17.0	38.4	35.4
100MHz	19.1	22.0	35.3	32.3

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