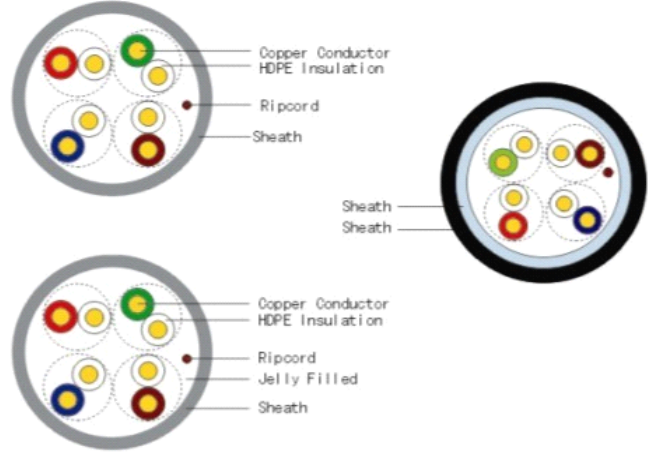




**UTP CAT5E  
 Solid  
 Indoor/ Outdoor**



**Physical specifications**

Item	Material	Diameter
Conductor	24 AWG Copper	0.51±0.025mm 7/0.2±0.015mm
Insulation	HDPE	0.92±0.06mm
Sheath	UL PVC/LSOH/PVC(UV)/PE	5.2±0.1mm
Cores/ Pairs	8/4	

**Electrical Properties ( at 20°C )**

Conductor Resistance	Max.9.38Ω/100m
Resistance Unbalance	Max. 2%
Insulation Resistance	Max.150Ω/km
Mutual Capacitance	Max.5600pF/100m
Capacitance Unbalance	Max.330pF/100m
Impedance	100±15
Spark Test	2000v
Velocity of propagation	67%

	Attenuation	RL	Next	PS Next
(MHz)	(dB/100m)	(dB)	(dB)	(dB/100m)
1MHz	20.0	20.00	65.3	63.50
4MHz	4.1	23	56.3	54.2
8MHz	5.8	24.5	52.4	50.5
10MHz	6.6	25	51.3	49.2
16MHz	8.2	25	49.3	47.4
20MHz	9.3	25	48.8	46.9
25MHz	10.4	24	45.3	43.4
31.25MHz	11.7	23	43.0	41.8
62.5MHz	17.0	21	39.2	37.2
100MHz	22.0	20	36.3	34.4
155MHz	28.1	19	35.5	33.6
200MHz	32.4	19	31.8	29.9
240MHz	36.0	18	30.6	28.7
300MHz	41.0	18	29.2	27
350MHz	44.9	17	28.0	25.6

**Mechanical Properties**

Elongation	Min. 300%
Temperature Range	-20 up to +75°C
Tensile strength	Min.1.68kg/mm <sup>2</sup>

