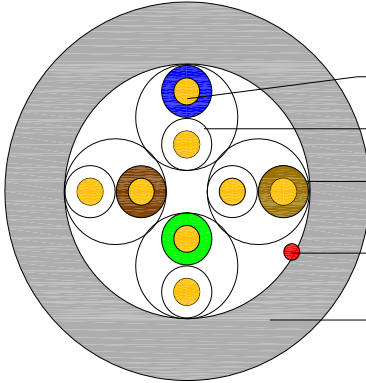




UTP Cat5e cable specification

Cable type: HSYV5E 4*2*0.5

Description		Cross section				
Solid annealed copper conductor PE insulation PVC outer jacket Reference standard: ANSI/TIA-568-C.2						
Construction						
Conductor Material Solid annealed copper Conductor diameter(mm) 0.50±0.01 Insulation Material PE Insulation outer diameter(mm) 0.89±0.05 Twisted pairs Color code 1. White(Blue)-Blue 2. White(Orange)-Orange 3. White(Green)-Green 4. White(Brown)-Brown Stranding construction 1*4 Outer jacket Material PVC Jacket color Grey Nom.thickness(mm) 0.5 Outer diameter(mm) 5.0±0.3						
		Transmission characteristics				
		Frequency MHz	Impedance Ω	Attenuation (dB/100m)	NEXT dB/100m	EL-FEXT (dB/100m)
		1	100±15	2.0	65	62
		4	100±15	4.1	56	52
		10	100±15	6.5	50	44
		16	100±15	8.2	47	40
		20	100±15	9.2	46	38
		31.25	100±15	11.7	43	34
		62.5	100±15	17.0	38	28
		100	100±15	22.0	35	24
		Mechanical characteristics (20℃)				
		Conductor elongation at break			≥10%	
		Insulation elongation at break			≥300%	
		Jacket elongation at break			≥125%	
Packing 305m/box						
Electrical characteristics(20℃)						
Single conductor resistance@20℃		≤9.38Ω/100m				
Pair DC resistance unbalance		≤5. 0%				
Insulation resistance(20℃,DC 500V/1 min		≥5000 MΩ·km				
Dielectric strength between conductors .DC.1min		1kV				
Mutual capacitance		≤5.6nF/100m				