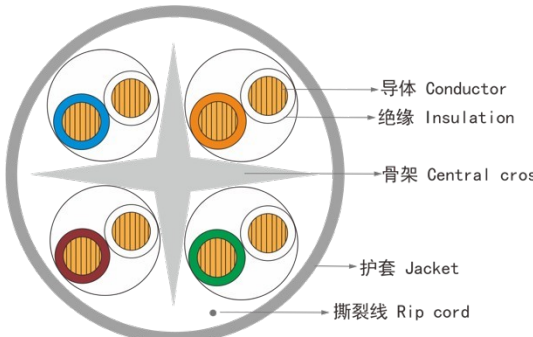


CAU6LUD Data Sheet

CAU6LUD			CATEGORY 6 CABLE,UTP,4 PAIRS,100Ω ,LSZH			
Physical  →导体 Conductor →绝缘 Insulation →骨架 Central cros →护套 Jacket →撕裂线 Rip cord			Conductor: Material: solid bare copper Diameter: 0.51±0.008mm /24AWG Insulation: Material: HDPE Diameter: 0.90±0.02mm Cross skeleton: 4.5*0.45mm Rip cord: optional Jacket:Green color Material: LSZH Diameter: 5.8±0.2mm Thickness: ≥0.5mm			
Complies with Class E & Cat 6 standards, Supports applications up to 250MHz.						
Physical Characteristics			Electrical Characteristics（20℃ ）			
Conductor Elongation ratio: ≥15%			Linear resistance: ≤9.5 Ω /100m			
Insulation Tensile strength: ≥16MPa			insulation resistance: ≥5000M Ω /km			
Insulation Elongation ratio: ≥300%			Mutual capacity 0.8kHz: ≤5.6nF/100m			
Jacket Tensile strength: ≥10.0MPa			Unbalance capacity: ≤330pF/100m			
Jacket Elongation ratio: ≥125%			Characteristic impedance:100±15 Ω			
			Dielectric strength:DC.1kV.1min no break			
Transmission performance(20℃,100m)						
Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	EL FEXT (dB/100m)	PS EL FEXT (dB/100m)
1	20	2.0	75.3	72.3	67.8	64.8
4	23	3.8	67.3	63.3	56	53
8	24.5	5.3	62.8	58.8	49.9	46.9
10	25	6.0	61.3	57.3	48	45
16	25	7.6	58.2	54.2	43.9	40.9
20	25	8.5	56.8	52.8	42	39
25	24.3	9.5	55.3	51.3	40	37
31.25	23.6	10.7	53.9	49.9	38.1	35.1
62.50	21.5	15.4	49.4	45.4	32.1	29.1
100	20.1	19.8	46.3	42.3	28	25
200	18.0	29.0	41.8	37.8	22	19
250	17.3	32.8	40.3	36.3	20	17
Install info			Standard			
working temperature: -20℃ to +60℃			ISO/IEC 11801 TIA568.2-D EN50173			
Bending radius: ≥10×out diameter			RoHS 2011/65/EU REACH EC 1907/2006			