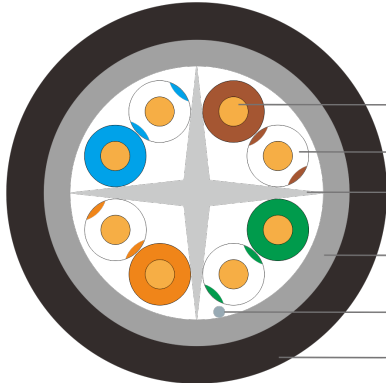


DATA SHEET

Doc No.:QE/HT J203-2021

Ver : A1.0 2021/05/24

TYPE: U/UTP CAT6 PVC+PE (Fca)				p/n KLEXI66504PE		
Structure  Conductor Insulation Cross Filler Inner Jacket Rip Cord Outer Jacket				Conductor: Material: solid bare copper Diameter: 0.55±0.008mm /23AWG Insulation: Material: HDPE Diameter: 0.98±0.03mm Cross Filler:PE Rip Cord: optional Inner Jacket: Material: PVC Diameter: 6.0±0.5mm Thickness: 0.5mm Outer Jacket: Material: LDPE Diameter: 7.2±0.5mm Thickness: 0.6mm		
Complies with Class E & Cat 6 standards,Supports applications up to 250MHz.						
Physical Characteristics				Electrical Characteristics (20℃)		
Conductor Elongation ratio: ≥15% Insulation Tensile strength: ≥16MPa Insulation Elongation ratio: ≥300% Jacket Tensile strength PVC: ≥13.5MPa Jacket Elongation ratio PVC: ≥150% Jacket Tensile strength LDPE: ≥10MPa Jacket Elongation ratio LDPE: ≥300%				Linear Resistance: ≤9.5Ω/100m Insulation Resistance: ≥5000MΩ·km Characteristic Impedance: 100±5Ω(at 100MHZ) Dielectric Strength:DC.1kV.1min no breakdown NVP: 69%		
Transmission performance (20℃,100m)						
Frequency (MHz)	ReturnLoss (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	66.3	63.3	56	53
8	24.5	5.3	61.8	58.8	49.9	46.9
10	25	6.0	60.3	57.3	48	45
16	25	7.6	57.2	54.2	43.9	40.9
20	25	8.5	55.8	52.8	42	39
25	24.3	9.5	54.3	51.3	40	37
31.25	23.6	10.7	52.9	49.9	38.1	35.1
62.50	21.5	15.4	48.4	45.4	32.1	29.1
100	20.1	19.8	45.3	42.3	28	25
200	18.0	29.0	40.8	37.8	22	19
250	17.3	32.8	39.3	36.3	20	17
Install info			Standard			
working temperature: -20℃ to +60℃ Bending radius: ≥10×out diameter 外径			ISO/IEC 11801 TIA 568.2-D EN50173 IEC 61156-5 RoHS 2011/65/EU REACH EC 1907/2006			