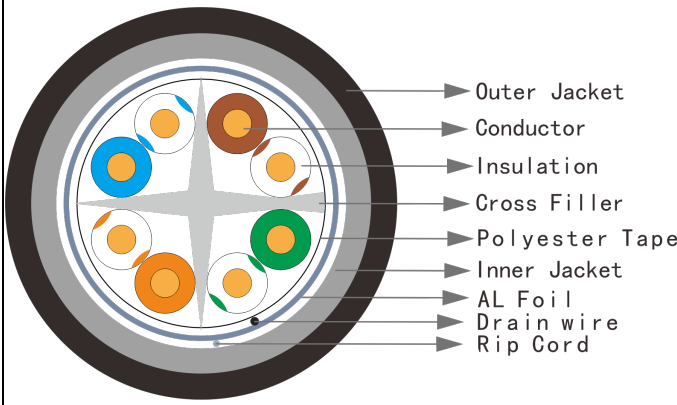


## DATA SHEET

Doc No.: QEH/HT J468-2023  
Ver : A1.0 2022/02/21

<b>TYPE: F/UTP CAT6 PVC+PE (Fca)</b>		<b>p/n: KLEXI66704PE</b>				
<p><b>Structure :</b></p> 		<p>Conductor: Material: solid bare copper Diameter: 0.55±0.005mm /23AWG Insulation: Material: HDPE Diameter: 1.105±0.05mm Cross Filler: PE Polyester Tape: Overlap rate: ≥25% Al foil : Overlap rate: ≥25% Drain wire : 0.4mm tinned copper Rip cord: Nylon Inner Jacket: Material: PVC Diameter: 7.2±0.5mm Thickness: 0.50mm (Average) Outer Jacket: Material: LDPE Diameter: 8.4±0.5mm Thickness: 0.60mm (Average)</p>				
<b>Physical Characteristics</b>		<b>Electrical Characteristics (20°C)</b>				
<p>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: ≥10.0MPa Jacket Elongation ratio LDPE: ≥300%</p>		<p>Linear resistance: ≤9.5Ω/100m insulation resistance: ≥5000MΩ·km Characteristic impedance: 100±5Ω(at 100MHZ) Dielectric strength: DC.1kV.1min no breakdown NVP: 70%</p>				
<b>Transmission performance (20°C,100m)</b>						
Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	ACRF (dB/100m)	PS ACRF (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
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
<b>Install info</b>			<b>Standard</b>			
<p>working temperature: -20°C to +60°C Bending radius: ≥10×out diameter</p>			<p>ISO/IEC 11801 TIA 568.2-D EN50173 IEC 61156-5 RoHS 2011/65/EU REACH EC 1907/2006</p>			