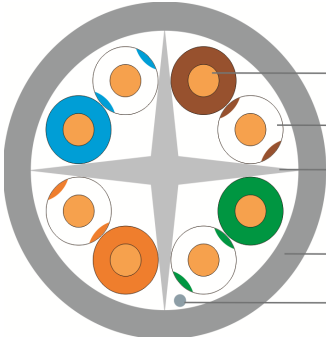


## DATA SHEET

Doc No.:Q/HT J044-2019  
Ver : V1.0 2019/12/10

TYPE: CAT6 U/UTP-B2ca			CAT6 U/UTP 4X2X23AWG LSZH			
<div>Physical</div> <div><div>Conductor</div><div>Insulation</div><div>Cross Filler</div><div>Jacket</div><div>Rip Cord</div></div>			<div>Conductor: solid bare copper</div> <div>Diameter: 0.55±0.005mm /23AWG</div> <div>Insulation: HDPE</div> <div>Diameter1.00±0.02mm</div> <div>Cross Filler: LSZH-ZR01</div> <div>Rip cord: Nylon /150D</div> <div>Jacket: LSZH (B2ca)</div> <div>Diameter: 6.3±0.5mm</div> <div>Thickness: 0.6mm (Average)</div>			
Physical Characteristics			Electrical Characteristics (20℃)			
Conductor Elongation ratio≥15%			Linear resistance≤9.5 Ω /100m			
Insulation Tensile strength≥10Mpa			insulation resistance≥5000MΩ·km			
Insulation Elongation ratio≥200%			Unbalance capacity: ≤330pF/100m			
Jacket Tensile strength≥9MPa			Characteristic impedance 100±5Ω(at 100MHZ)			
Jacket Elongation ratio≥100%			Dielectric strength: DC.1kV.1min no breakdown			
Fire Performance						
Flame spread FS≤1.5 m			Total heat release THR <sub>1200s</sub> ≤15 MJ			
Heat release rate Peak HRR≤30 kW			Fire growth rate index FIGRA≤150 Ws <sup>-1</sup>			
A Single cable Vertical flame propagation H: ≤425 mm						
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)
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℃			ISO/IEC 11801 IEC-61156-5 TIA568.2-D EN50173			
Bending radius: ≥10×out diameter			EN50575 EN60754 EN61034			
			RoHS 2011/65/EU REACH EC 1907/2006			