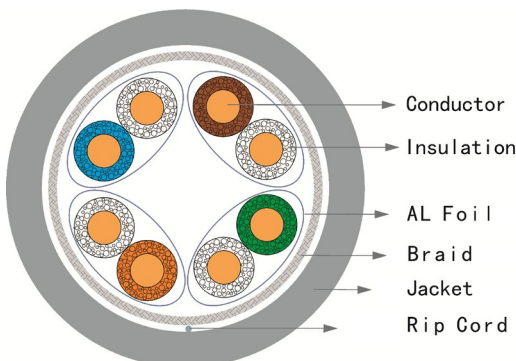


DATA SHEET

Doc No.:Q/HT J043-2019
Ver : V1.0 2019/12/10

TYPE: CAT6A S/FTP-B2ca				CAT6A S/FTP 4X2X23AWG LSZH		
<div>Physical</div> <div></div>				<div>Conductor: solid bare copper</div> <div>Diameter: 0.57±0.005mm /23AWG</div> <div>Insulation: SKIN-FOAM-SKIN PE</div> <div>Diameter: 1.35±0.02mm</div> <div>Al foil: Overlap rate: ≥25%</div> <div>Braiding: 16*4*0.1mm Tinned Copper</div> <div>Coverage rate: ≥20%</div> <div>Rip cord: Nylon/150D</div> <div>Jacket: LSZH (B2ca)</div> <div>Diameter: 8.0±0.5mm</div> <div>Thickness: ≥0.55mm</div>		
Physical Characteristics				Electrical Characteristics (20℃)		
Conductor Elongation ratio≥15%				Linear resistance≤9.5 Ω /100m		
Insulation Tensile strength≥10Mpa				insulation resistance≥5000M Ω ·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 _{1200s} ≤15 MJ		
Heat release rate Peak HRR≤30 kW				Fire growth rate index FIGRA≤150 Ws ⁻¹		
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	3.7	78	75	78	75
8	24.5	5.2	78	75	77.2	74.2
10	25	5.9	78	75	75.3	72.3
16	25	7.4	78	75	71.2	68.2
20	25	8.3	78	75	69.3	66.3
25	24.3	9.3	78	75	67.3	64.3
31.25	23.6	10.4	78	75	65.4	62.4
62.50	21.5	14.9	75.5	72.5	59.4	56.4
250	17.3	31	66.4	63.4	47.3	44.3
300	17.3	34.2	65.2	62.2	45.8	42.8
500	17.3	45.3	61.9	58.9	41.3	38.3
Install info			Standard			
working temperature: -20℃ to +60℃			ISO/IEC 11801 IEC-61156-5 EN50173			
Bending radius: ≥10×out diameter			EN50575 EN60754 EN61034			
			RoHS 2011/65/EU REACH EC 1907/2006			