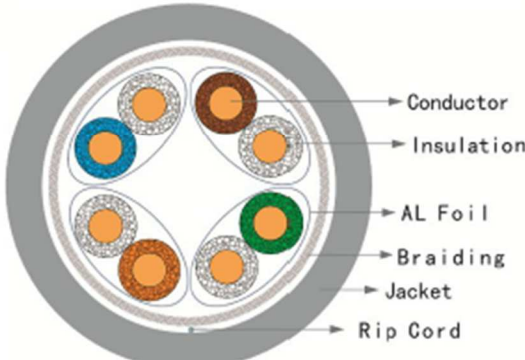


Cat.6 A SFTP B2ca

TYPE:6A SFTP-B2ca	CATEGORY 6A CABLE,SFTP,4 PAIRS,100Ω ,LSZH
Physical 	Conductor: Material: solid bare copper Diameter: $0.55 \pm 0.008\text{mm}$ /23AWG Insulation: Material: SKIN-FOAM-SKIN PE Diameter: $1.32 \pm 0.02\text{mm}$ Al foil : Overlap rate: $\geq 25\%$ Braiding: 16*4*0.1mm TC Coverage rate: $\geq 30\%$ Rip cord: optional Jacket: Material: LSZH (B2ca) Diameter: $8.0 \pm 0.5\text{mm}$ Thickness: 0.65mm (Average)
Physical Characteristics	Electrical Characteristics (20℃)
Conductor Elongation ratio: $\geq 15\%$ Insulation Tensile strength: $\geq 10\text{Mpa}$ Insulation Elongation ratio: $\geq 200\%$ Jacket Tensile strength: $\geq 9\text{MPa}$ Jacket Elongation ratio: $\geq 100\%$	Linear resistance: $\leq 9.5 \Omega /100\text{m}$ insulation resistance: $\geq 5000\text{M}\Omega \cdot \text{km}$ Unbalance capacity: $\leq 330\text{pF}/100\text{m}$ Characteristic impedance: $100 \pm 5\Omega$ (at 100MHZ) Dielectric strength:DC.1kV.1min no breakdown

Fire Performance

Flame spread FS! 1.5 m	Total heat release $\text{THR}_{1200s} \leq 15 \text{ MJ}$
Heat release rate Peak $\text{HRR} \leq 30 \text{ kW}$	Fire growth rate index $\text{FIGRA} \leq 150 \text{ W s}^{-1}$
A Single cable Vertical flame propagation H: $\leq 425 \text{ mm}$	

Transmission performance(20℃,100m)

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	EL FEXT (dB/100m)	(dB/100m)
4	23.0	3.8	65.3	63.3	55.8	52.8
8	24.5	5.3	60.8	58.8	49.7	46.7
10	25.0	5.9	59.3	57.3	47.8	44.8
16	25.0	7.5	56.2	54.2	43.7	40.7
20	25.0	8.4	54.8	52.8	41.8	38.8
25	24.3	9.4	53.3	51.3	39.8	36.8
31.25	23.6	10.5	51.9	49.9	37.9	34.9
62.50	21.5	15.0	47.4	45.4	31.9	28.9
250	17.3	31.1	38.3	36.3	19.8	16.8
300	16.8	34.3	37.1	35.1	18.3	15.3
400	15.9	40.1	35.3	33.3	15.8	12.8
500	15.2	45.3	33.8	31.8	13.8	10.8

Install info

working temperature: -20°C to $+60^{\circ}\text{C}$
Bending radius: $\geq 10 \times$ out diameter

Standard

ISO/IEC 11801 IEC-61156-5 TIA568.2-D EN50173
EN50575 EN60754 EN61034
RoHS 2011/65/EU REACH EC 1907/2006