

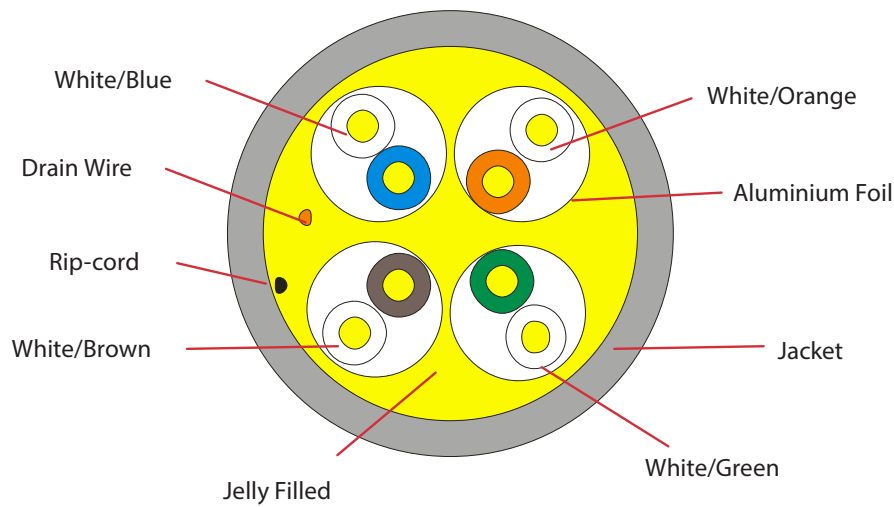
CAT6A U/FTP GEL EXTERNAL UNDERGROUND CABLE

C-C6AS-EXTGEL



PRODUCT SPECIFICATIONS

Category	U/FTP-ZST CAT6A-4P-PE			
Test Standard	ISO/IEC1180, TIA-568-C.2			
Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.560	Up: Down:	+0.005 -0.005
Insulation	Material	Skin-foam-skin PE		
	Diameter	1.330±0.05mm		
Inner Screening Material	Aluminum Foil	Drain wire:	Yes	
Core Colour	1. White-Blue	2. White-Orange		
	3. White-Green	4. White-Brown		
Sheath	Thickness	0.55±0.05mm		
	External O.D.	7.4±0.4mm		
	Surface	Clean		
	Material	LDPE (complies RoHS)		
	Colour	Black		
Surface Printing	Letter Height	3.0±0.3mm		
	Colour	White		
	Print Error & Space	±0.5%, 1m		
Packing	Drum			
Packing Length	305±1.5m			
Rip-cord	Yes			
Out Jacket Physical Properties	Before Aging			
	Tensile Strength (Mpa)	≥10.0		
	Elongation (%)	≥350		
	Aging Period (°C x hrs)	100°C x 24h x 10d		
	After Aging			
	Elongation (%)	≥300		
	Cold bend (-20±2°C×4h)	No visible cracks		
Electrical Characteristics (20°C)	Delay Shew (ns/100m)	≤45		
	Unbalanced-to-ground capacitance (pf/100m) max.	330		
	DC Resistance (Ω/100m) max	9.38		
	DC Conductor Resistance	5.0		
	Unbalance (%) max			



TECHINCAL PERFORMANCE (100m)

Frequency (MHz)	RL ≥dB	ATT (20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	-	74.3	570
4.0	23.0	3.8	65.3	552
8.0	24.5	5.3	60.8	547
10.0	25.0	5.9	59.3	545
16.0	25.0	7.5	56.2	543
20.0	25.0	8.4	54.8	542
25.0	24.3	9.4	53.3	541
31.25	23.6	10.5	51.9	540
62.5	21.5	15.0	47.4	539
100	20.1	19.1	44.3	538
200	18.0	27.6	39.8	537
250	17.3	31.1	38.3	536
300	16.8	34.3	37.1	536
400	15.9	40.1	35.3	536
500	15.2	45.3	33.8	536
Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
1	72.3	67.8	64.8	
4	63.3	55.8	52.8	
8	48.8	49.7	46.7	
10	57.3	47.8	44.8	
16	54.2	43.7	40.7	
20	52.8	41.8	38.8	
25	41.3	39.8	36.8	
31.25	49.9	37.9	34.9	
62.5	45.4	31.9	28.9	
100	42.3	27.8	24.8	
200	37.8	21.8	18.8	
250	36.3	19.8	16.8	
300	35.1	18.3	15.3	
400	33.3	15.8	12.8	
500	31.8	13.8	10.8	