

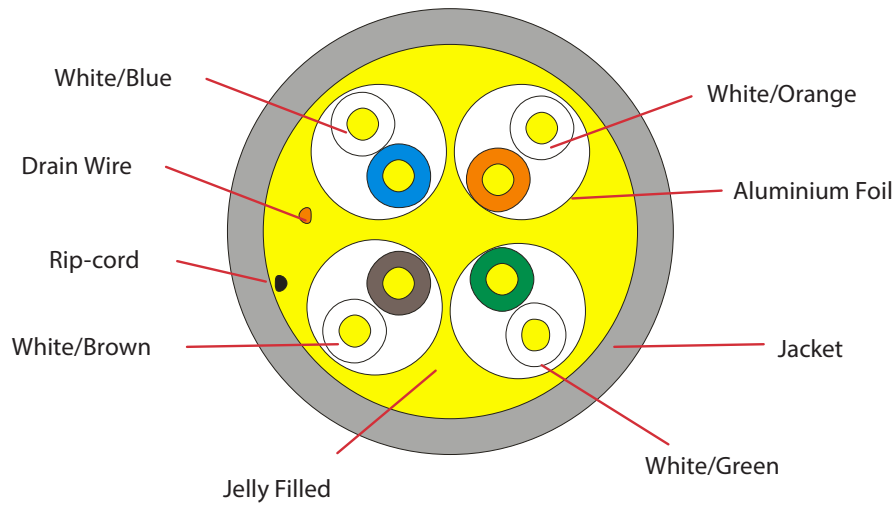
CAT6A U/FTP GEL EXTERNAL UNDERGROUND CABLE

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: +0.005 Down: -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)	
Surface Printing	Colour	Black	
	Letter Height	3.0±0.3mm	
	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	