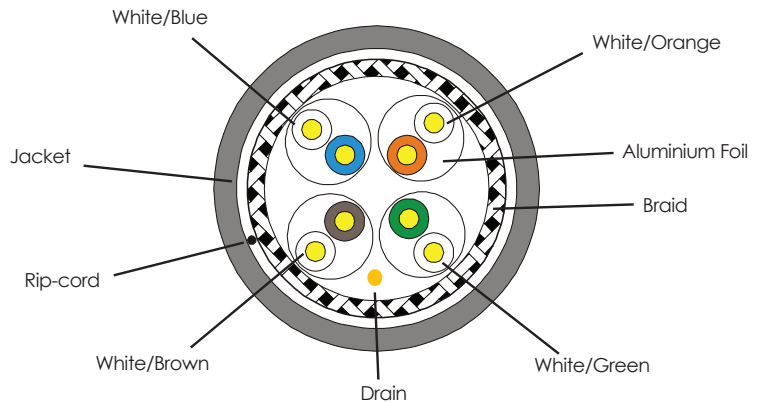


## CAT6 S/FTP SHIELDED EXTERNAL CABLE

C-STPC6EXT-SLD



### PRODUCT SPECIFICATIONS

Category	S/FTP CAT6-4P-PE		
Test Standard	ISO/IEC11801, TIA- 568-C.2, YD/T 1019		
Conductor	Material	SOLID-Bare Copper	
	Nom. O.D. (mm)	0.570	Up +0.005 Down -0.005
Insulation	Material	HDPE	
	Diameter	1.09±0.03mm	
Colour	A. Blue, White-Green	B. Orange, White-Orange	
	C. Green, White-Green	D. Brown, White-Brown	
Sheath	Thickness	0.60±0.05mm	
	External O.D.	7.4±0.4mm	
	Surface	Clean, Frap, Satiation	
	Material	PE	
Surface Printing	Letter Height	3.0±0.3mm	
	Colour	Black	
	Print Error & Space	≤±0.5%, 1m	
Packing	Wooden Tray and Carton		
Packing Length	305±1.5m		
Rip Cord	Yes		
Drain Wire	Yes		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa): ≥10.0		
	Elongation(%): ≥150		
	Aging Period (°C x hrs): 100°C x 24h x 10d		
	After Aging Elongation(%): ≥300		
Electrical Characteristics (20°C)	Cold bend (-20±2°C×4h): 8×Cable O.D. No visible cracks		
	1.0-250.0MHz, Characteristic impedance (Ω): 100±15		
	1.0-250.0MHz, Delay Shew 20°C (ns/100m): ≤45		
	DC Resistance 20°C (Ω/100m): Max. 9.38		
	DC Conductor Resistance Unbalance (%): Max. 5.0		

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## TECHINCAL PERFORMANCE (100m)

Frequency (MHz)	RL ≥dB	ATT ≤dB (20°C)	NEXT ≥dB	DELAY ≤ns
1	20.0	2.03	74.3	570.00
4.0	23.0	3.78	65.3	552.00
8.0	24.5	5.32	60.8	546.73
10.0	25.0	5.95	59.3	545.38
16.0	25.0	7.55	56.2	543.00
20.0	25.0	8.47	54.8	542.05
25.0	24.3	9.51	53.3	541.20
31.25	23.6	10.67	51.9	540.44
62.5	21.5	15.38	47.7	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	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