DYNAMIX™
CERTIFIED CABLING SYSTEM

PRODUCT SPECIFICATION

305m F/UTP Cat6 23AWG with Jelly Filled Cable

C-STPC6SLD-GEL

CONSTRUCTION & CHARACTERISTICS:

Conductor	Material	SOLID-Bare Copper		
	Nom. O.D.(mm)	0.565	Up	+0.005
			Down	-0.005
Insulation	Material	HDPE		
	Diameter	1.12 ± 0.05 mm		
Screening Material	Mylar +Al/Mylar			
Sheath	Thickness	0.60 ± 0.05mm		
	External O.D.	7.8 ± 0.4 mm		
	Surface	Clean, Frap, Satiation		
	Material	LDPE (complies RoHS)		
	Colour	Black		
Surface Printing	Letter height	3.0 ± 0.3mm		
	Colour	White		
	Print Error & Space	≤±0.5%, 1m		
Core Colour	1 White-Blue/Blue		2 White-Orange/Orange	
	3 White-Green/Green		4 White-Brown/Brown	
Packing	Wooden Tray & Carton			
Packing Length	305 ± 1.5m			
Rip-cord	Yes			
Sheath Physical Properties	UV stabilized PE Jacket			
	Before Aging	Tensile Strength (Mpa)	≥10.0	
		Elongation (%)	≥350	
	Aging Period (°C x hrs)	100°C x 24h x 10days		
	After Aging	Elongation (%)	≥300	
	Cold bend (-20±2 °Cx4h)	8×Cable O.D., No visible cracks		
Electrical Characteristics (20°C)	Delay Shew (ns/100m)		≤45	
	Velocity of Propagation (%)		68	
	Unbalanced-to-ground capacitance		330 (pf/100m) max	
	DC Resistance (Ω/100m) max		9.38	
	DC Conductor Resistance Unbalance (%) max		5.0	

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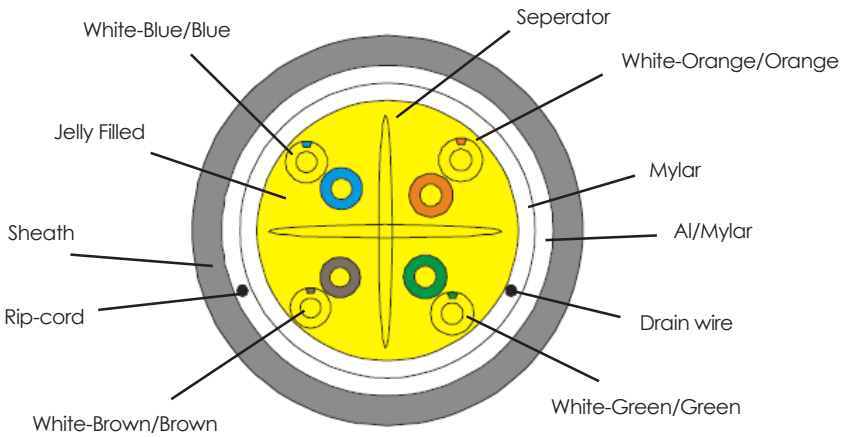
ELECTRICAL PERFORMANCES:

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	9.1	3.0	65.0	521
4.0	21.0	3.5	64.1	504
8.0	21.0	5.0	59.4	500
10.0	21.0	5.5	57.8	498
16.0	20.0	7.0	54.6	496
20.0	19.5	7.9	53.1	495
25.0	19.0	8.9	51.5	495
31.25	18.5	10.0	50.0	494
62.5	16.0	14.4	45.1	492
100	14.0	18.6	41.8	491
200	11.0	27.4	36.9	490
250	10.0	31.1	35.3	490

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≤dB	PSELFEXT ≥dB
1	62.0	64.2	61.2
4	61.8	52.1	49.1
8	57.0	46.1	43.1
10	55.5	44.2	41.2
16	52.2	40.1	37.1
20	50.7	38.2	35.2
25	49.1	36.2	33.2
31.25	47.5	34.3	31.3
62.5	42.7	28.3	25.3
100	39.3	24.2	21.2
200	34.3	18.2	15.2
250	32.7	16.2	13.

CONFIGURATION:



Although every precaution has been taken to ensure the accuracy of the product specifications at the time of publication, we cannot be responsible for the errors, omissions, or changes due to obsolescence. All data contained herein is subject to change without notice.