

# CAT6 BLACK SOLID GEL FILLED OUTDOOR CABLE

Cat6 Black Solid GEL Filled Outdoor cable, 23AWGx4P 250Mhz, Black PE Jacket Supplied on a Wooden Reel. Below ground installation.

NVP: 69%



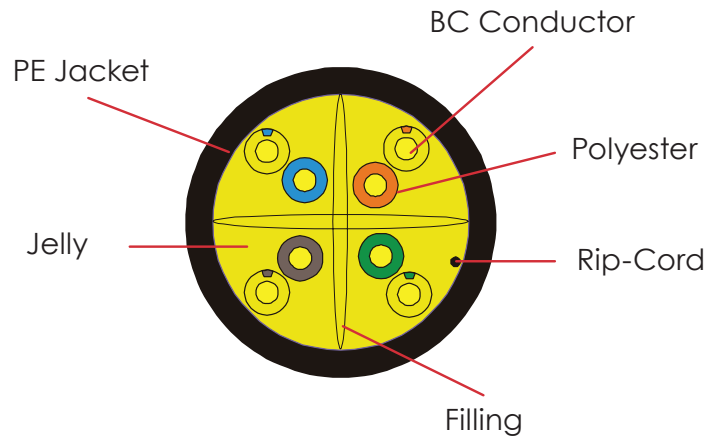
## PRODUCT CODES & LENGTHS

Model Code	Conductor	Colour	Length
C-C6-SLD-GEL	Solid	Black	305M
C-C6-SLD-GEL500	Solid	Black	500M

## PRODUCT SPECIFICATIONS

Category	U/UTP-ZST CAT6-4P-PE			
Test Standard	ISO/IEC11801, TIA-568C.2			
Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.565	Up	+0.005
				Down
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.	6.8±0.8mm		
	Surface	Clean, Frap, Satiation		
	Material	LDPE		
	Colour	Black		
Surface Printing	Letter Height	3.0±0.3mm		
	Colour	White		
	Print Error & Space	≤±0.5%, 1m		
Packing	Wooden Reel			
Packing Length	500±2.5m			
Rip Cord	Yes			
Drain Wire	No			
Sheath 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			
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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## FLUKE TECHNICAL PERFORMANCE

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	19.1	3.0	65.0	
4.0	21.0	3.5	64.1	
8.0	21.0	5.0	59.4	
10.0	21.0	5.5	57.8	
16.0	20.0	7.0	54.6	498
20.0	19.5	7.9	53.1	
25.0	19.0	8.9	51.5	
31.25	18.5	10.0	50.0	
62.5	16.0	14.4	45.1	
100	14.0	18.6	41.8	
200	11.00	27.4	36.9	
250	10.0	31.1	35.3	

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	13.2