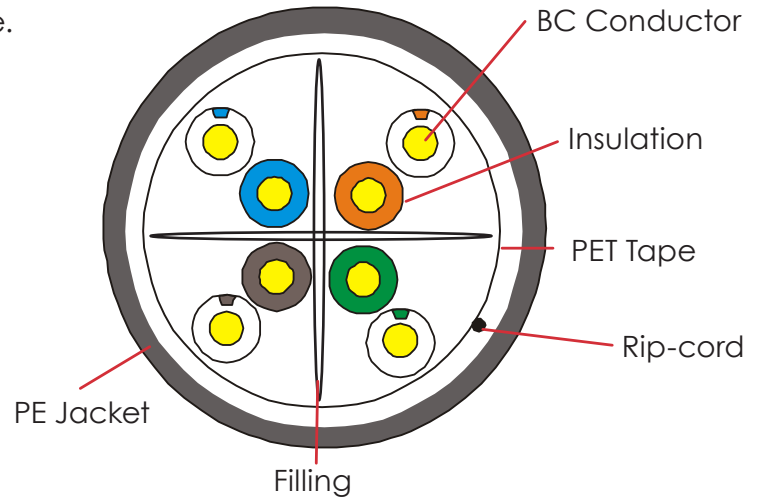


## CAT6 UTP EXTERNAL SOLID CABLE

305m Cat6 UTP EXTERNAL Solid Cable.  
23 AWGx4P 250MHz. Black PE jacket.  
Supplied on a wooden reel.



### PRODUCT CODES & LENGTHS

Model Code	Conductor	Colour	Length
C-C6EXT-SLDBK	Solid	Black	305M

### PRODUCT SPECIFICATIONS

Category	U/UTP CAT6-4P-PE		
Test Standard	ISO/IEC11801, TIA- 568C.2, YD/T1019		
Conductor	Material	SOLID-Bare Copper	
	Nom. O.D. (mm)	0.550	Up +0.005 Down -0.005
Insulation	Material	HDPE	
	Diameter	0.98±0.03mm	
Colour	A. Blue, White-Blue	B. Orange, White-Orange	
	C. Green, White-Green	D. Brown, White-Brown	
Sheath	Thickness	0.55±0.05mm	
	External O.D.	6.3±0.5mm	
	Surface	Clean, Frap, Satiation	
Surface Printing	Material	LDPE (complies RoHS)	
	Colour	Black	
	Letter Height	3.0±0.3mm	
Packing	Colour	White	
	Print Error & Space	≤±0.5%, 1m	
Packing Length	Wooden Tray & Carton		
Out Jacket Physical Properties	305±1.5m		
	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)	Characteristic impedance (Ω) 100±15		
	Delay Shew 20°C(ns/100m) ≤45		
	DC Resistance 20°C (Ω/100m) Max. 9.5		
	DC Conductor Resistance Unbalance (%) Max. 5.0		

# CAT6 UTP EXTERNAL SOLID CABLE

## TECHINCAL PERFORMANCE (100m)

Frequency (MHz)	RL ≥dB	ATT (20°C) ≤dB	NEXT ≥dB	PHASE 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	52.0	540.44
62.5	21.5	15.38	47.4	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	68.0	65.0
4	63.3	56.0	53.0
8	58.7	49.9	46.9
10	57.3	48.0	45.0
16	54.2	43.9	40.9
20	52.8	42.0	39.0
25	51.3	40.0	37.0
31.25	49.9	38.1	35.1
62.5	45.4	32.1	29.1
100	42.3	28.0	25.0
200	37.8	22.0	19.0
250	36.3	20.0	17.0