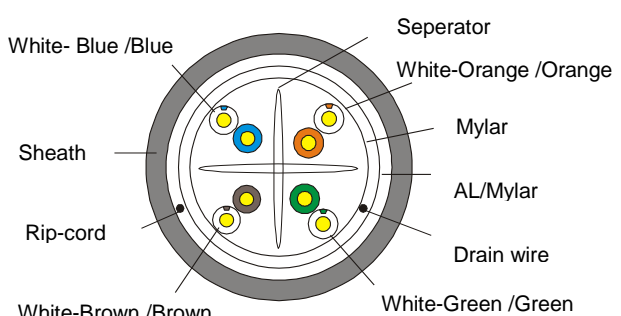


## > NetBox CAT6 FTP, Outdoor, PE Jacket, Black

Category	F/UTP CAT6-4P-PE		
Test Standard	ISO/IEC11801 TIA- 568-C.2 YD/T 1019 ANSI/TIA-568.2-D EN 50575:2014 + A1: 2016		
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.	7.5±0.4 mm	
	Surface	Clean, Frap, Satiation	
	Material	LDPE (complies RoHS)	
	Color	Black	
Surface Printing	Letter height	3.0±0.3mm	
	Color	White	
	Print error & Space	≤±0.5%, 1m	
Core Color	1 White- Blue	2 White-Orange	
	3 White- Green	4 White- Brown	
Packing length	305±1.5m		
Box Weight	17.8Kgs		
Certification	UL		
Rip-cord	Yes	Drain wire	Yes
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0	
	Elongation(%)	≥350	
	Aeging Period (°C×hrs)	100°C×24h×10d	
	After Aging Elongation(%)	≥300	
Electrical Characteristics (20°C)	Cold bend (-20±2°C×4h)	8×Cable O.D., No visible cracks	
	Delay Shew (ns/100m)	≤45	
	Velocity of Propagation (%)	68	
	Unbalanced-to-ground capacitance (pf/100m)	max 330	
	DC Resistance (Ω/100m) max	9.38	
DC Conductor Resistance Unbalance (%)	max 5.0		
Maximum pulling tension	110N		
Operating Temperature	-20°C to +60°C		
NetBox Part Number	NB-COP-210		



Technical Performance (100m):

Frequency (MHz)	RL ≥dB	ATT(20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	—	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	51.3	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