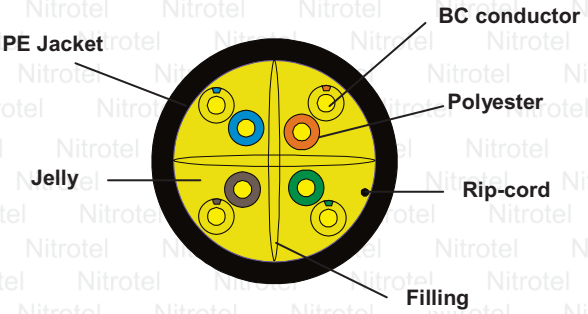
Part No.
NTCAT6-DB

CAT6 DIRECT BURIAL- ENHANCED 550 MHz 23 AWG SOLID 4PR UTP, GEL TYPE, TIA/EIA 568-C.2, ISO/IEC 11801 Ed2, LLDPE JKT- BLACK- 1000 FT SPOOL

Sheath Printing: NITROTEL INTERNATIONAL GROUP--- P/N NTCAT6-DB --- CAT6 ENHANCED 550 MHz 4 PR 23 AWG SOLID UTP GEL FILLED PE JKT OUTDOOR / DIRECT BURIAL VERIFIED TO ANSI/TIA-568-C.2 -- CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 XXXX FEET MM/YY

Category	U/UTP-GEL CAT6-4P-PE				
Test Standard	ISO/IEC11801、ANSI/ TIA-568-C.2				
Conductor	Material	SOLID-Bare Copper			
	Nom. O.D. (mm)	0.565	Up	+0.005	
			Down	-0.005	
Insulation	Material	HDPE			
	Diameter	1.12±0.04mm			
Color	A.Blue, White-Blue	B.Orange,White-Orange			
	C.Green,White-Green	D.Brown, White-Brown			
5. Sheath	Thickness	0.60±0.05 mm			
	External O.D.	7.0±0.5 mm			
	U.V Stability	U.V Resistant			
	Material	LLDPE			
	Color	Black			
Surface Printing	Letter height	3.0±0.3mm			
	Color	White			
	Print error & Space	≤±0.5% , 1m			
Packing	Wooden reel, 36 reels each pallet				
Weight:	N.W:16.0KGS / G.W 18.0KGS				
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 (℃ X hrs) 100℃x 24h x 10d				
	After Aging	Elongation(%)	≥300		
	Cold bend(-20±2℃ ×4h)× 8 Cable O.D.,		No visible cracks		
Electrical Characteristics (20℃)	1.0-250.0MHz, Characteristic impedance (Ω)	100±15			
	1.0-250.0MHz, Delay Shew (n s /100m)	≤45			
	DC Resistance (Ω/100m)	9.38			
	DC Conductor Resistance Unbalance (%)max	5.0			



Technical Performance (100m):

Frequency (MHz)	RL dB	ATT dB	NEXT dB
1	20.0	2.03	74.3
4.0	23.0	3.78	65.3
8.0	24.5	5.32	60.8
10.0	25.0	5.95	59.3
16.0	25.0	7.55	56.2
20.0	25.0	8.47	54.8
25.0	24.3	9.51	53.3
31.25	23.6	10.67	52.0
62.5	21.5	15.38	47.4
100	20.1	19.80	44.3
200	18.0	28.98	39.8
250	17.3	32.85	38.3
*350	16.3	39.79	36.1
*550	12.6	61.7	33.2

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
*350	34.1	16.9	13.9
*550	31.2	13.2	10.1

Remarks: * are the reference values

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