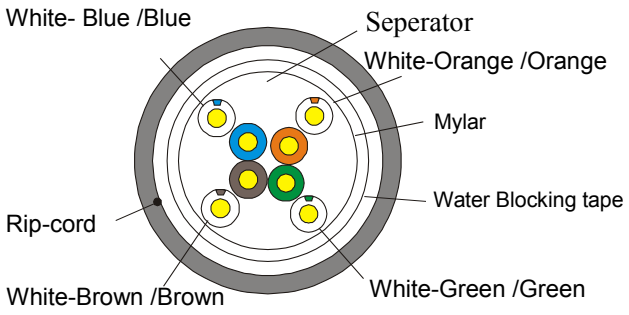
SCP Part #: CAT5E-DB

Product Specifications **:** CAT5E DIRECT BURIAL- 350 MHz 24 AWG SOLID 4PR UTP, WBT, TIA/EIA 568-C.2, ISO/IEC 11801 Ed2, LLDPE JKT- BLACK- 1000 FT SPOOL

Date	Prepared by	Checked by	Approved by	Version	Revision Declaration
2013-11-14	Caixiaoping	Nidonghua	Wangfuzhu	A0	

Content of the Data Sheet

Sheath Printing	STRUCTURED CABLE PRODUCTS --- P/N CAT5E-DB --- CAT5E DIRECT BURIAL ENHANCED 350 MHz 4 PR 24 AWG SOLID UTP WATER BLOCKING TAPE LLDPE 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- WBT CAT5E-4P-PE			
Test Standard	ISO/IEC11801、TIA- 568-C.2 YD/T 1019			
Conductor	Material	Solid Bare copper		
	Nom.O.D.(mm)	0.500	up	+0.005
			down	-0.005
Insulation	Material	HDPE		
	Diameter	0.87±0.03 mm		
Screening Material	Mylar + Water Blocking Tape			
Sheath	Thickness	0.60±0.05mm		
	External O.D.	5.8±0.5 mm		
	U.V Stability	U.V Resistant		
	Material	LLDPE (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 /Blue	2 White-Orange /Orange		
	3 White- Green /Green	4 White- Brown /Brown		
Packing	Wooden Reel, 45 reels each pallet			
Weight :	N.W 9.30KGS/ G.W 10.80KGS			
Packing length	305±1.5m			
Rip-cord	Yes	Drain wire	No	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥10.0 Elongation(%) ≥350			
	Aging Period (℃×hrs) 100℃×24h×10d			
	After Aging Elongation(%) ≥300			
	Cold bend(-20±2 ℃×4) 8×Cable O.D. No visible cracks			
Electrical Characteristics (20 ℃)	Delay Shew (ns/100m) ≤45			
	Velocity of Propagation (%) 68			
	DC Resistance (Ω/100m) max 9.38			
	DC Conductor Resistance Unbalance (%) max 5.0			



Technical Performance :

(MHz)	RL dB	ATT dB	NEXT dB	DELAY ns
1	20.0	2.0	65.3	570.00
4.0	23.0	4.1	56.3	552.00
8.0	24.5	5.8	51.8	546.73
10.0	25.0	6.5	50.3	545.38
16.0	25.0	8.2	47.2	543.00
20.0	25.0	9.3	45.8	542.05
25.0	24.3	10.4	44.3	541.20
31.25	23.6	11.7	42.9	540.44
62.5	21.5	17.0	38.4	538.55
100	20.1	22.0	35.3	537.60
*155	18.0	28.1	32.4	536.90
*200	17.4	32.4	30.8	536.50
*300	16.5	41.8	29.3	536.10
*350	16.0	44.9	27.1	535.90

(MHz)	PSNEXT dB	ELFEXT dB	PSELFEXT dB
1	62.3	63.8	60.8
4	53.3	51.8	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8
*155	29.4	20.0	17.0
*200	27.8	17.8	14.8
*300	26.3	14.3	11.3
*350	24.1	12.9	9.9

Remarks: * are the reference values