



# Structured Cable Products®

Quality Installations Deserve Quality Products

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**SCP PART#: CAT5E-DB** UPC: 810070014513

Rev09/23

**DESCRIPTION:**

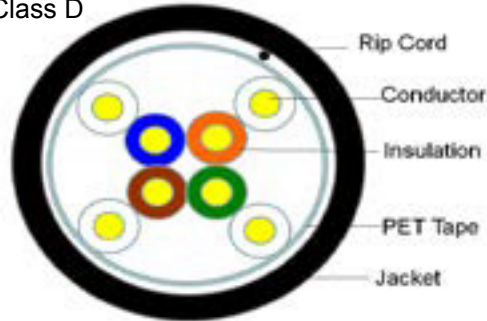
CAT5E DIRECT BURIAL- 350 MHz 24 AWG SOLID BC 4PR, UTP, ANSI/TIA-568.2-D , IEC 11801 CLASS D, LLDPE JKT- BLACK- 1000FT/305M SPOOL

**Regulatory**

ANSI/TIA 568.2-D and ISO/IEC 11801 Class D  
 EU RoHS 2011/65 EU Compliant

**Application: Lan Cable**

For outdoor installations



**Construction Characteristics:**

Conductor	Material	Solid Bare Copper
	Size	24AWG X 4P
	Construction	1/0.50+/-0.004mm
Insulation	Material	HDPE
	Min.Thickness	0.188mm
	AVG.Thickness	0.20mm
	Diameter	0.90+/-0.1mm
	Colors	Blue- White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Sheath	Material	PET Tape
	Material	LLDPE
	Thickness	0.6+/-0.05mm
	U.V Stability	U.V Resistant
	Diameter	5.3+/-0.20mm
	Rip Cord	Nylon
	Color	Black
Bend radius	Min 20D/120mm	

**Electrical & Physical Characteristics:**

Operating Temperature Range	- 20°C + 75°C
Minimum installation temperature	0°C + 40°C
Conductor Resistance	Max 93.8 ohm/km at 20°C
Dielectric Strength	Min AC1.5KV
Minimum Flexing Bend Radius	>20x the jacket diameter
Rated Voltage	Max 300Volts
DC Resisitance Unbalance	Max 5%
Pair-to-Ground Capacitance Unbalance	Max 3300pF/km
Characteristic Impedance	100+/-15OHM
Nominal Velocity of Propagation(%)	67~69
Propagation Delay	Max 536ns/100m
Delay Skew	Max 45ns/100m

**Marking:**

STRUCTURED CABLE PRODUCTS --- CAT5E-DB --- CAT5E DIRECT BURIAL 350MHz UTP  
 ANSI/TIA-568.2-D ISO/IEC 11801 CLASS D 4PR 24AWG SOL BC - LLDPE JKT - EU RoHS  
 ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 \*\*\*M

<b>Packaging:</b>			
Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
10kgs/22.046lbs	360X160X160	1000ft/ Spool	36

### Performance

ITEM Frequency	Attenuation Max (dB)	NEXT Min (dB)	PS NEXT Min (dB)	ACR Min (dB)	RL Min (dB)	ELFEXT Min (dB)	PS ELF EXT	PSACR Min (dB)
1	2	65.3	62.3	63.3	20	63.8	60.8	60.3
4	4.1	56.3	53.3	52.2	23	51.8	48.8	49.2
8	5.8	51.8	48.8	46	24.5	45.7	42.7	43
10	6.5	50.3	47.3	43.8	25	43.8	40.8	40.8
16	8.2	47.2	44.2	39	25	39.7	36.7	36
20	9.3	45.8	42.8	36.5	25	37.8	34.8	33.5
25	10.4	44.3	41.3	33.9	24.3	35.8	32.8	30.9
31.25	11.7	42.9	39.9	31.2	23.6	33.9	30.9	28.2
62.5	17	38.4	35.4	21.4	21.5	27.8	24.8	18.4
100	22	35.3	32.3	23.3	20.1	23.8	20.8	10.3
155	28.1	32.4	29.4	4.3	18.8	20	17	1.3
200	32.4	30.8	27.8	---	18	1.7	14.7	---
300	41	28.1	25.1	---	16.8	14.2	11.2	---
350	44.9	27.1	24.1	---	16.3	12.9	9.9	---