

SCP PART#: CAT5E-DB-GEL

Description:

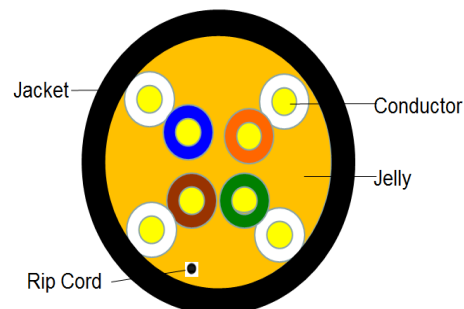
CAT5E DIRECT BURIAL- GEL TYPE- 350 MHz 24 AWG SOLID BC, 4PR, UTP, GEL FILLED, ANSI/TIA-568-C.2, IEC 11801 CLASS D, LLDPE JKT- BLACK- 1000 FT/305M SPOOL

Regulatory:

TIA/EIA 568-C.2 and ISO/IEC 11801 Ed2
EU RoHS 2011/65 EU Compliant

Application:

Networking Lan Cable



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	
Filler	Jelly	Gel Filled	
Sheath	Material	LLDPE	
	U.V Stability	U.V Resistant	
	AVG.Thickness	0.6 +/- 0.05mm	
	Diameter	5.8 +/- 0.20mm	
	Rip Cord	Nylon	
	Color	Black	
Bend Radius		Min 20D/120mm	

Electrical & Physical Characteristics:

Operating Temperature Range		- 20°C + 75°C	
Conductor Resistance		Max 93.8 ohm/km at 20°C	
Dielectric Strength		Min AC1.5KV	
Minimum Flexing Bend Radius		>20x the jacket diameter	
Insulation	Unaged	Tensile Strenght	12.3Mpa
		Elongation	150%
	Aged	Tensile Strenght	9.8Mpa(100°C 168h)
		Elongation	100%(100°C 168h)
Jacket	Unaged	Tensile Strenght	10.8Mpa
		Elongation	100%
	Aged	Tensile Strenght	8.5Mpa(100°C 168h)
		Elongation	50%(100°C 168h)
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-GEL --- CAT5E DIRECT BURIAL ENHANCED 350MHz UTP ANSI/TIA-568-C.2 ISO/IEC 11801 CLASS D 4PR 24AWG SOL BC - GEL FILLED - LLDPE JKT - EU RoHS ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***M

Packaging:

Approx.Weight(kg)	Approx.Dimension(mm)	Package	Packages per pallet
11.6kgs/25.573lbs	360X180X160	1000ft/305m Box	36

Performance

ITEM Frequency	Attenuation Max (dB)	NEXT Min (dB)	PS NEXT Min (dB)	ACR Min (dB)	RL Min (dB)	ELFEXT Min (dB)	PS ELFEXT Min (dB)	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	---