

SCP PART#: CAT5E-P-BL-ETL

Rev03/20

Description:

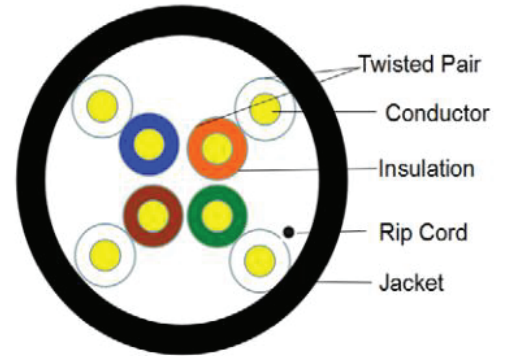
CAT5E PLENUM UTP- 350 MHz 24 AWG SOLID BC 4PR,
 ANSI/TIA 568.2-D, ETL CMP- BLUE- 1000 FT BOX

Regulatory:

ANSI/TIA-568.2-D
 CMP ETL
 EU RoHS 2011/65 EU Compliant

Application:

Networking Lan Cable



Construction Characteristics:

Electrical & Physical Characteristics:

conductor	material	solid bare copper
	size	24AWG X 4P
	construction	1/0.510+/-0.005
insulation	material	FEP
	min. thickness	0.18
	AVG. thickness	0.195
	diameter	0.90+/-0.05
	colors	blue-white/blue orange-white/orange green-white/green brown-white/brown
jacket	material	45P LS-FR-PVC
	min. thickness	0.5mm
	AVG. thickness	0.55mm
	diameter	5.30+/-0.20
	ripcord	nylon
	color	per request
bend radius		min 20D/105mm

operating temperature range		-20°C+60°C	
conductor resistance		Max93.8 ohm/km @20°C	
dielectric strength		min AC 1.5KV	
insulation	unaged	tensile strength	16.5MPa
		elongation	300%
jacket	unaged	tensile strength	13.8MPa
		elongation	100%
	aged	tensile strength	11.7MPa (100°C 168h)
		elongation	50% (100°C 168h)
rated voltage		300V	
DC resistance unbalance		5%	
pair-to-ground capacitance unbalance		MAX 3300pF/km	
characteristic impedance		100+/-15 ohm	
nominal velocity of propagation (%)		67-69	
propagation delay		max 536ns/100m	
delay skew		max 45ns/100m	

Jacket marking:

STRUCTURED CABLE PRODUCTS --- CAT5E-P --- CAT5E PLENUM 350MHz 4PR 24AWG SOLID BC UTP ETL No.3009905
 APPROVED CMP FT6 75 °C VERIFIED TO ANSI / TIA-568.2-D CLASS D RoHS
 ZONE/JACK A B C D E 0 1 2 3 4 5 6 7 8 9 xxxxFT MM/YR

packaging:

approx. weight	approx. dimension (mm)	package	packages per pallet
8.5kgs/18.755bs	350*260*350	1000ft/305m	36

Performance-1

ITEM Frequency	Attenuation Max(dB)	NEXT Min (dB)	PS NEXT Min (dB)
	Standard	Standard	Standard
1	2.2	60.0	57.0
4	4.5	53.0	50.5
8	6.3	48.6	45.6
10	7.1	47.0	44.0
16	9.1	43.6	40.6
20	10.2	42.0	39.0
25	11.4	40.3	37.3
31.25	12.9	38.7	35.7
62.5	18.6	33.6	30.6
100	24.0	30.1	27.1

Performance-2

ITEM Frequency	RL Min(dB)	ELFEXT Min (dB)	PS ELFEXT Min (dB)
	Standard	Standard	Standard
1	17.0	57.4	54.4
4	17.0	45.4	42.4
8	17.0	39.3	36.3
10	17.0	37.4	34.4
16	17.0	33.3	30.3
20	17.0	31.4	28.4
25	16.0	29.4	26.4
31.25	16.0	27.5	24.5
62.5	12.1	21.5	18.5
100	10.0	17.4	14.4