

SCP PART#: CAT6-P-BK-ETL

Rev03/20

Description:

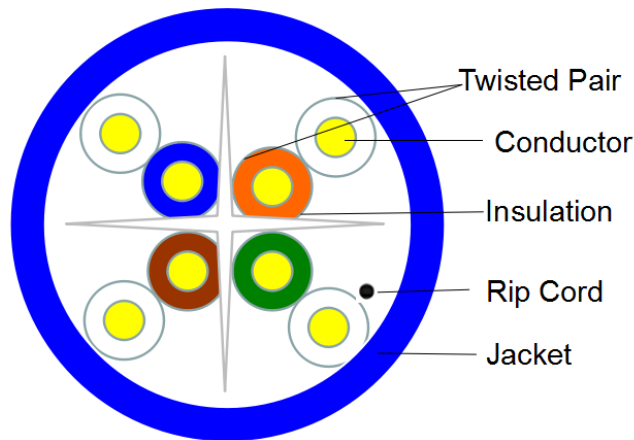
CAT6 ENHANCED 550MHz 23AWG SOLID BC 4PR,
 UTP, ANSI/TIA 568.2-D, CMR ETL,
 PVC JKT- BLACK - 1000 FT BOX

Regulatory:

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

Application:

Networking Lan Cable



Construction Characteristics:

Electrical & Physical Characteristics:

conductor	material	solid bare copper
	size	23AWG X 4P
	construction	1/0.58+/-0.005
insulation	material	FEP
	min. thickness	0.19
	AVG. thickness	0.21
	diameter	1.0+/-0.05
	colors	blue-white/blue orange-white/orange green-white/green brown-white/brown
Divider	material	HDPE
jacket	material	45P LS-FR-PVC
	min. thickness	0.5mm
	AVG. thickness	0.55mm
	diameter	6.00+/-0.20
	ripcord	nylon
	color	per request
bend radius		min 20D/105mm

operating temperature range		-20°C+60°C	
conductor resistance		Max76.6 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 --- CAT6-PLENUM --- CAT6 ENHANCED 550 MHz 4PR 23AWG SOLID BC UTP ETL
 No.3009905 APPROVED CMP FT6 75 - VERIFIED TO ANSI/TIA 568.2-D CLASS E
 RoHS ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxFT MM/YR

packaging:

approx. weight	Glue shaf tapprox. dimension (mm)	Box approx. dimension (mm)	package	packages per pallet
13.5kgs/29.7881lbs	300*300*280	320*330*340	1000ft/305m	27

Performance-1

ITEM Frequency	Attenuation Max (dB)	NEXT Min (dB)	PS NEXT Min (dB)
	Standard	Standard	Standard
1	2.3	65.0	62.0
4	4.2	63.0	60.5
8	5.8	58.2	55.6
10	6.5	56.6	54.0
16	8.2	53.2	50.6
20	9.2	51.6	49.0
31.25	11.5	50.0	45.7
62.5	16.4	48.4	40.6
100	20.9	43.4	37.1
200	30.1	39.9	31.9
250	33.9	33.1	30.2

Performance-2

ITEM Frequency	RL Min (dB)	ELFEXT Min (dB)	PS ELFEXT Min (dB)
	Standard	Standard	Standard
1	19.0	63.3	60.3
4	19.0	51.2	48.2
8	19.0	45.2	42.2
10	19.0	43.3	40.3
16	18.0	39.2	36.2
20	17.5	37.2	34.2
31.25	16.5	33.4	30.4
62.5	14.0	37.3	24.3
100	12.0	23.3	20.3
200	9.0	17.2	14.2
250	8.0	15.3	12.3