

SCP PART#: CAT6-DB-WBT

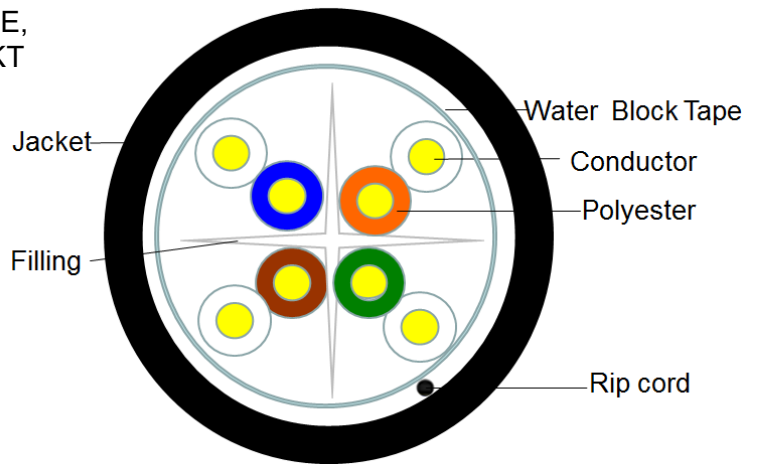
Description:

CAT6 DIRECT BURIAL- ENHANCED 550 MHz
 23 AWG SOLID 4PR UTP, WATER BLOCK TAPE,
 TIA/EIA 568-C.2, ISO/IEC 11801 Ed2, LLDPE JKT
 BLACK- 1000 FT SPOOL

Regulatory:

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

Application: Lan Cable



Construction Characteristics:

Conductor	Material	Solid Bare Copper	
	Size	23AWG X 4P	
	Construction	1/0.57+/-0.004mm	
Insulation	Material	HDPE	
	Min.Thickness	0.20mm	
	AVG.Thickness	0.22mm	
	Diameter	1.03+/-0.1mm	
	Colors		Blue- White/Blue
			Orange-White/Orange
		Green-White/Green	
		Brown-White/Brown	
Screening	Material	Water Block Tape	
Sheath	Material	LLDPE	
	Thickness	0.6+/-0.05mm	
	U.V Stability	U.V Resistant	
	Diameter	6.8+/-0.50mm	
	Rip Cord	Nylon	
	Color	Black	
Bend Radius		Min 20D/140mm	

Electrical & Physical Characteristics:

Operating Temperature Range		- 20°C + 75°C	
Conductor Resistance		Max 72.2 ohm/km at 20°C	
Dielectric Strength		Min AC1.5KV	
Spark Test		5.0KV	
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 300 Volts	
DC Resisance 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 --- CAT6-DB-WBT --- CAT6 DIRECT BURIAL 550MHz UTP ANSI/TIA-568-C.2 ISO/IEC 11801 CLASS E 4PR 23AWG SOL BC - WATER BLOCK TAPE - 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
13.5kg/ 29.762lbs	360X220X160	1000ft/305m Spool	36

Performance

ITEM Frequency	Attenuatio n 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	74.3	72.3	72.3	20	67.8	64.8	70.3
4	3.8	65.3	63.3	61.5	23	55.8	52.8	59.5
8	5.3	60.8	58.8	55.5	24.5	49.7	46.7	53.5
10	6	59.3	57.3	53.3	25	47.8	44.8	51.3
16	7.6	56.2	54.2	48.6	25	43.7	40.7	46.6
20	8.5	54.8	52.8	46.3	25	41.8	38.8	44.3
25	9.5	53.3	51.3	43.8	24.3	39.8	36.8	41.8
31.25	10.7	51.9	49.9	41.2	23.6	37.9	34.9	39.2
62.5	15.4	47.4	45.4	32	21.5	31.9	28.9	30
100	19.8	44.3	42.3	24.5	20.1	27.8	24.8	22.5
200	29	39.8	37.8	10.8	18	21.8	18.8	8.8
250	32.8	38.3	36.3	5.5	17.3	19.8	16.8	3.5
300	36.4	37.1	35.1	0.7	16.8	18.3	15.3	---
400	43	35.3	33.3	---	15.9	15.8	12.8	---
500	48.9	33.8	31.8	---	15.2	13.8	10.8	---