

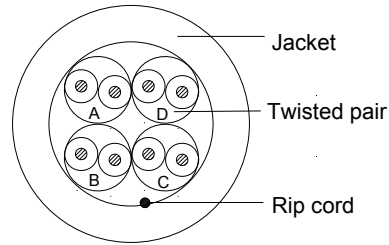
CAT5e

SCP PART#:

CAT5E-BK, CAT5E-BL, CAT5E-GN, CAT5E-OR, CAT5E-PUR, CAT5E-RD, CAT5E-WT, CAT5E-YL

DESCRIPTION:

CAT5E 350 MHz 24 AWG SOLID 4PR UTP, PVC JKT 1000 FT BOX Available Jacket Colors: Black, Blue, Green, Gray, Orange, Purple, Red, White, Yellow



Construction Characters:

Conductor	Material	Solid Bare Copper
	Size	24AWG X 4P
	Construction	1/0.475±0.004mm
Insulation	Material	HDPE
	Min. Thickness	0.186mm
	AVG. Thickness	0.203mm
	Diameter	0.88±0.01mm
	Colors	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Jacket	Material	PVC
	Min. Thickness	0.60mm
	AVG. Thickness	0.54mm
	Diameter	5.00±0.10mm
	Rip Cord	Nylon
	Colors	Per request

Standards:

TIA/EIA 568 C.2
ISO/IEC 11801 ED2 CLASS D
EN 50173 1:2011
IEC 61156 5
EN 50288 3 1
EMC Performance Rating 6

FLAME SAFETY:

ISO 1872 PE
ANSI C 8.35

OTHER:

CE, RoHS
UL c(UL)
UL 444

Application: LAN/NETWORK Cable

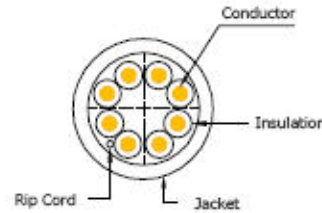
10BASE T through 1000BASE T Ethernet
Power over Ethernet (PoE) – IEEE 802.3af
PoE+ – IEEE 802.3at Type 1 and 2
ATM and token ring

Electrical & Physical Characters:

Rating	75°C 30V		Packaging:	
Conductor Resistance	Max 105ohm/km at 20°C		Approx. Weight(kg)	
Dielectric Strength	Min AC1.5KV		5.40	9.85
Spark Test	5.0KV		Approx. Dimension(mm)	
AC Leakage Current Through overall Jacket	AC 1500V ≤10mA		300X260X320	335X260X350
Insulation	Unaged	Tensile Strength	16.5 Mpa	
		Elongation	500%	
	Aged	Tensile Strength	14.2 Mpa(1 00°C 168h)	
		Elongation	250%(100°C 168h)	
Jacket	Unaged	Tensile Strength	13.8 Mpa	
		Elongation	150%	
	Aged	Tensile Strength	11.7 Mpa(100°C 168h)	
		Elongation	80%(100°C 168h)	
Cold Bend Test	-20°C 4hours No Cracking			
DC Resistance Unbalance	Max 5%			
Pair-to-Ground Capacitance Unbalance	Max 3300pF/km			
Characteristic Impedance	1~350MHZ 100 ± 15OHM			
Nominal Velocity of Propagation (%)	67~69			
Propagation Delay	350MHZ Max 536ns/100m			
Delay Skew	1~350MHZ Max 45ns/100m			

Marking:
 --- P/N CAT5E
 --- CAT5E ENHANCED 350 MHz
 4 PR 24 AWG UTP
 VERIFIED TO ANSI/TIA-568-C.2
 CMR FT4 75C CE EU
 RoHS EC ZONE/DEVICE
 A B C D E 0 1 2 3 4 5 6 7 8 9
 XXXXFEET

CAT5e Plenum



SCP PART#: CAT5E-P-BK , CAT5E-P-BL, CAT5E-P-GY, CAT5E-P-YL, CAT5E-P-WT, CAT5E-P-GN, CAT5E-PUR	DESCRIPTION: CAT5E PLENUM- 350 MHz 24 AWG SOLID 4PR UTP, CMP
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Standard:
UL444 , ISO/IEC11801 & TIA/EIA-568-C.2 CAT5e

Application:
ULTRA HIGH PERFORMANCE LAN CABLE ARE
SUITABLE FOR PERFECT AUDIO DATA AND VIDEO OF
TRANSFER FOR NETWORK

Construction Characters:

Conductor	Material	Solid Bare Copper
	Size	24AWG X 4P
Insulation	Construction	1/0.50±0.008mm
	Material	FEP
	Min. Thickness	0.196mm
	AVG. Thickness	0.205mm
	Diameter	0.90±0.01mm
Jacket	Material	LS FR- PVC
	Min. Thickness	0.50mm
	AVG. Thickness	0.55mm
	Diameter	5.30±0.10mm
Colors	Colors	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
	Rip Cord	Nylon
	Colors	BK,BL,GN,OR,RD,GY, WT,PK

Electrical & Physical Characters:

Rating	75°C	300V	Packaging: Approx. Weight(kg)	
Conductor Resistance	Max	58pF/m		
Dielectric Strength	Min	AC1.5KV	10	
Spark Test	2.5KV		Approx. Dimension(mm)	
Mutual Capacitance	Max	58pF/m	34*34*24	
AC Leakage Current Through overall Jacket	AC 1500V	≤10mA	Package	
Insulation	Unaged	Tensile Strength	2500psi	1000 ft/Box
		Elongation	200%	Packages per Pallet
Insulation	Aged	Tensile Strength	2200psi (100°C 48h)	45
		Elongation	180%(100°C 48h)	
Jacket	Unaged	Tensile Strength	2500psi	Marking: - P/N: CAT5E-P - xx CAT5E 350MHz 4PR 24AWG SOLID UTP ETL No.3009905 APPROVED CMP FT6 75 °C VERIFIED TO A NSI/TIA-568-C.2 CE EU RoHS ZONE/JACK A B C D E 0 1 2 3 4 5 6 7 8 9 xxxFT
		Elongation	200%	
Jacket	Aged	Tensile Strength	2200psi (100°C 48h)	
		Elongation	75%(100°C 48h)	
Insulation Shrink back	150mm	121±1 °C HR	≤9.5mm	
Cold Bend Test	-20°C	4hours	No Cracking	
Flame Retardant Test	CMP			
DC Resistance Unbalance	Max 5%			
Pair-to-Ground Capacitance Unbalance	Max 3300pF/km			
Characteristic Impedance	1~100MHZ 100±15OHM			
Structural Return Loss	100MHZ Min 8.6dB			
Propagation Delay	100MHZ Max 536ns/100m			
Delay Skew	1~100MHZ Max 30ns/100m			

CAT6

Standard: UL 444 M ANSI/TIA-568-C.2 & ISO/IEC 11801

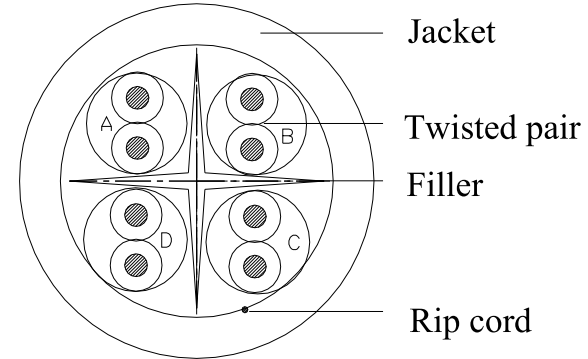
Application: Lan Cable

Construction Characters:

Conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.57±0.005mm
Insulation	Material	HDPE
	Min. Thickness	0.200mm
	AVG. Thickness	0.220mm
	Diameter	1.01±0.01mm
	Colors	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Filler	Filler	PVC
Jacket	Material	PVC
	AVG. Thickness	0.60mm
	Min. Thickness	0.54mm
	Diameter	6.20±0.10mm
	Colors	Per request
	Rip Cord	Nylon

Electrical & Physical Characters

rating	75N 30V
Conductor Resistance	Max 72.2ohm/km at 20N
Dielectric Strength	Min AC1.5KV
Spark Test	5.0KV
AC Leakage Current Through overall Jacket	AC 1500V ffj 10mA



Insulation	Unaged	Tensile Strength	16.5 Mpa
		Elongation	500%
	Aged	Tensile Strength	14.2 Mpa(100N 168h)
		Elongation	250%(100N 168h)
Jacket	Unaged	Tensile Strength	13.8 Mpa
		Elongation	150%
	Aged	Tensile Strength	11.7 Mpa(100N 168h)
		Elongation	80%(100N 168h)
Cold Bend Test			-20N 4hours No Cracking
DC Resistance Unbalance			Max 5%
Pair-to-Ground Capacitance Unbalance			Max 3300pF/km
Characteristic Impedance			1~500MHZ 100±15OHM
Propagation Delay			500MHZ Max 536ns/100m
Delay Skew			1~500MHZ Max 40ns/100m

Marking:

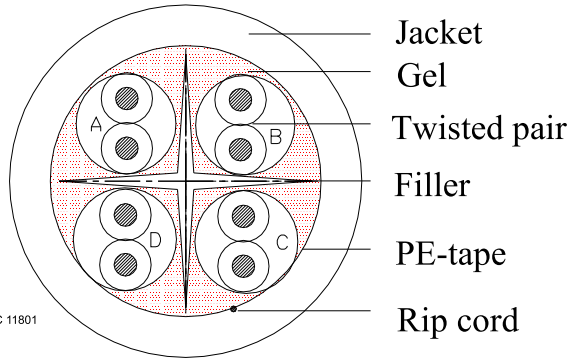
--- P/N CAT6 --- CAT6E ENHANCED 550 MHz 4 PR 23 AWG UTP
 VERIFIED TO ANSI/TIA-568-C.2 CMR FT4 75C --(UL) OR C(UL) E198134 CE EU RoHS EC ZONE/DEVICE
 A B C D E 0 1 2 3 4 5 6 7 8 9 XXXXFEET

Packaging:

Approx. Weight(kg)	Approx. Dimension(mm)	package	Packages per Pallet
15.80	390X280X420	1000 ft/Box	36/24



CAT6-DB



Standard: UL 444 M ANSI/TIA-568-C.2 & ISO/IEC 11801

Application: Lan Cable for outdoor

Construction Characters:

Conductor	Material	Solid Bare Copper	
	Size	23AWG X 4P	
	Construction	1/0.57±0.005mm	
Insulation	Material	HDPE	
	Min. Thickness	0.200mm	
	AVG. Thickness	0.220mm	
	Diameter	1.01±0.01mm	
	Colors		Blue-White/Blue
			Orange-White/Orange
		Green-White/Green	
Filler	Filler	LDPE	
	% /	Yes	
	Core wrap	PE Tape	
Jacket	Material	LLDPE	
	Min. Thickness	0.60mm	
	AVG. Thickness	0.54mm	
	Diameter	6.80±0.10mm	
	Colors	Black	
	Rip Cord	Nylon	

Electrical & Physical Characters

rating	75N 30V		
Conductor Resistance	Max 72.2ohm/km at 20N		
Dielectric Strength	Min AC1.5KV		
Spark Test	5.0KV		
AC Leakage Current Through overall Jacket	AC 1500V ffj 10mA		
Insulation	Unaged	Tensile Strength	16.5 Mpa
		Elongation	500%
	Aged	Tensile Strength	14.2 Mpa(100N 168h)
		Elongation	250%(100N 168h)
Jacket	Unaged	Tensile Strength	10.8 Mpa
		Elongation) D
	Aged	Tensile Strength	9.2 Mpa(100N 168h)
		Elongation	150%(100N 168h)
Cold Bend Test	-20N 4hours No Cracking		
DC Resistance Unbalance	Max 5%		
Pair-to-Ground Capacitance Unbalance	Max 3300pF/km		
Characteristic Impedance	1~500MHZ 100±15OHM		
Propagation Delay	500MHZ Max 536ns/100m		
Delay Skew	1~500MHZ Max 40ns/100m		
Marking:			
STRUCTURED CABLE PRODUCTS--- P/N CAT6-DB --- CAT6E ENHANCED 550 MHZ 4 PR 23 AWG UTP PE JKT CMX OUTDOOR / DIRECT BURIAL GEL TYPE VERIFIED TO ANSI/TIA-568-C.2 -- CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 XXXXFEET			
Packaging:			
Approx. Weight(kg)	Approx. Dimension(mm)	package	Packages per Pallet
17.30)< #((#1(1000 ft/ Spool	36