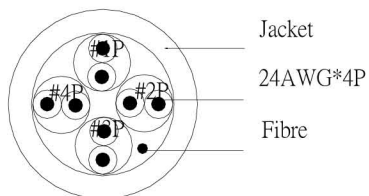


ITEM			SPECIFICATION			
CABLE			UTP Cat5e 24AWG×4P+Fibre+Jacket			
CORE			#1P	#2P	#3P	#4P
CONDUCTOR	Material		Bare Copper	Bare Copper	Bare Copper	Bare Copper
	Size	mm	24AWG(1/24AWG)	24AWG(1/24AWG)	24AWG(1/24AWG)	24AWG(1/24AWG)
INSULATION	Material		HDPE	HDPE	HDPE	HDPE
	Thickness	mm	0.22	0.22	0.22	0.22
	O.D.	mm	0.97 ±0.03	0.97 ±0.03	0.97 ±0.03	0.97 ±0.03
SPIRAL	AWG		/			
	Material		/			
	COND.Size	mm	/			
Filler	Material		1200D Fibre			
SHIELDING	Material		/			
	OVERLAP		/			
BRAID	Material		/			
	Coverage	%	/			
	COND.Size	mm	/			
JACKET	Material		PVC			
	Colour		Grey PMS:422C			
	Thickness	mm	0.60			
	O.D.	mm	5.35 ± 0.15mm			
	Marking		350MHZ ENHANCED CAT.5 UTP 4PAIR 24AWG C(UL) CMR FT4 E200534 ETL VERIFIED TO TIA/EIA-568-B.2 CAT.5E--ELTOP ELECTRONICS XXXXFT			

**COLOR CODE /CONSTRUCTION**

**24AWG×4P Color:**

- 1.Light Blue—White/Blue
- 2.Orange—White/Orange
- 3.Light Green. —White/Green
- 4.Brown—White/Brown



**ELECTRONIC CHARACTERS**

DC Conductor Resistance ( $\Omega$ /100M):9.38			
Return Loss(dB): Min 23			
Delay Skew(ns/100m):57			
Impedance ( $\Omega$ ): 100±15 $\Omega$			
Attenuation (dB/100M):			
0.772MHz	2.16	26.0MHz	9.90
1.00MHz	2.45	20.0MHz	11.13
2.00MHz	3.44	25.0MHz	12.51
4.00MHz	4.86	31.25MHz	14.08
8.00MHz	6.92	62.5MHz	20.42
10.0MHz	7.76	100.0MHz	26.41

**PHYSICAL PROPERTIES OF JACKET**

Tensile Strength (psi): Min. 1800
Aged (%): Min. 70
Elongation (%): Min. 100
Aged (%): Min. 70
Heat Shock Test : No Cracking
Cold Bend Test : No Cracking
Deformation Test (%): Max 50

Card No.		REV	A
Part No.		DATE	2005/07/01

APPROVED :

CHECKED : Cails

DESIGNED : Cails