

BAFO[®] ELTOP ELECTRONICS FACTORY

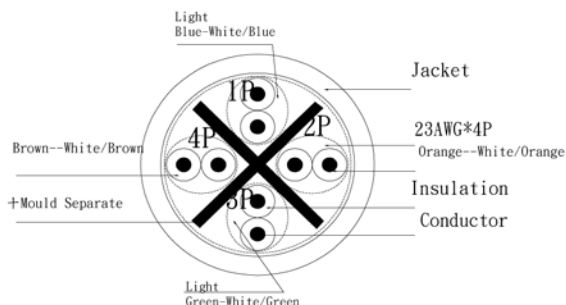
WIRE & CABLE SPECIFICATION

ITEM		SPECIFICATION				
CABLE		UTP Cat6 23AWG×4P+† Mould Separate +Jacket				
CORE		#1P	#2P	#3P	#4P	
CONDUCTOR	Material	Bare Copper		Bare Copper		
	Size	mm	23AWG(1/23AWG)	23AWG(1/23AWG)	23AWG(1/23AWG)	23AWG(1/23AWG)
INSULATION	Material	HDPE		HDPE		
	Thickness	mm	0.248	0.248	0.248	0.248
	O.D.	mm	1.08 ±0.05	1.08 ±0.05	1.08 ±0.05	1.08 ±0.05
SPIRAL	AWG	/				
	Material	/				
	COND.Size	mm	/			
Filler	Material	† Mould Separate				
SHIELDING	Material	/				
	OVERLAP	/				
BRAID	Material	/				
	Coverage	%	/			
	COND.Size	mm	/			
JACKET	Material	PVC				
	Colour	For Any Color				
	Thickness	mm	0.58			
	O.D.	mm	6.4 ± 0.30mm			
	Marking	CAT.6 23AWG×4P UTP CMR E200534 C(UL) TIA/EIA 568B.2-1 ETL VERIFIED FT4 ---- ELTOP ELECTRONICS				

COLOR CODE /CONSTRUCTION

23AWG×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 (Ω /100M):7.91
 Insulation Resistance: Min 150M Ω /Km
 Return Loss(dB): Min 23
 Delay Skew(ns/100m):57
 Impedance (Ω): 100±15 Ω
 Attenuation (dB/100M):

1.00MHz	2.04	20.0MHz	8.58
4.00MHz	3.82	25.0MHz	9.50
8.00MHz	5.38	31.25MHz	10.83
10.0MHz	6.02	62.5MHz	15.66
16.0MHz	7.60	100.0MHz	20.22
155.5MHz	25.82	200MHz	29.75
250 MHz	33.79		

PHYSICAL PROPERTIES OF JACKET

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

Card No.	2005/07/01-G003	REV	A
Part No.	UTP-2304P-0N0-640-000-000	DATE	2005/07/01

APPROVED :

CHECKED : Cails

DESIGNED : Cails