

U-UTP CAT 6A

Caleb Cable

Caleb Cable Industrial Limited

Revision History

Part NO:	Price NO:
Prepared by: CXY	Date: 2015/8/5
Approved by:	Page: 1 of 1

Product Code: U-UTP CAT 6A

Product Description

Application:

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
 IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T
 IEEE 802.5 16 MB; ISDN; TPDDI; ATM
 IEEE 802.3af-2002: POE; IEEE 802.3at: POE+

Reference Standard

IEC61156-6; TIA 568-C.2;
 EN50288; ISO/IEC 11801:2011

Multi-construction

4 Pair

Cable Construction

1. Conductor	Bare Copper
Construction	0.57±0.01
2. Insulation	HDPE
Insulation Dia.(mm)	1.11±0.08×2C Twist
Each Pair is Twisted ,Unshielded.	
3. Filler	Cross Member
4. Total Mylar Spiral	>=125%
5. Uncontinous alu foil Shield	>=125%
6. Jacket	LSZH/CM PVC/CMR PVC
Thickness(mm)	0.5
Dia.(mm)	7.40±0.20
Jacket Color	According to customer
Color	
Insulation color are:	
Blue, White/Blue	Orange, White/Orange
Green, White/Green	Brown, White/Brown

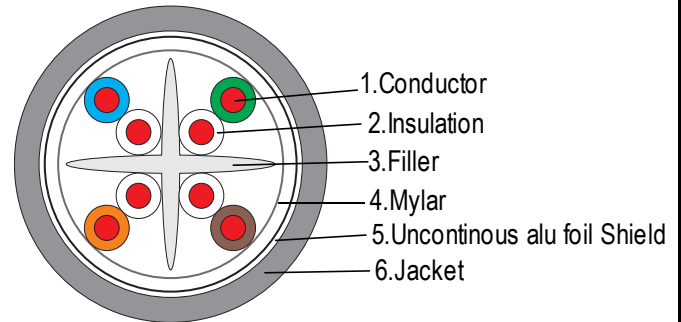
Marking

According to customer

Packaging

305M/EasyReel Box

Design



Electrical Characteristics

Performance

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Return Loss (dB)
4.00	3.80	66.30	63.30	23.00
10.00	5.90	60.30	57.30	25.00
16.00	7.50	57.20	54.20	25.00
31.25	10.50	52.90	49.90	23.60
62.50	15.00	48.40	45.40	21.50
100.00	19.10	45.30	42.30	20.10
250.00	31.10	39.30	36.30	17.30
500.00	45.30	34.80	31.80	17.30

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
4.00	56.00	53.00
10.00	48.00	45.00
16.00	43.90	40.90
31.25	38.10	35.10
62.50	32.10	29.10
100.00	28.00	25.00
250.00	20.00	17.00
500.00	14.00	11.00

Max. Conductor DC Resistance at 20°C (Ω/Km)	<83.0
Rated Temperature(°C)	60
Velocity ratio	76%
Impedance(Ω)	1-100MHz 100±15 100-250MHz 100±20 250-500MHz 100±25

UL File NO. E334179

Fire Performance: IEC 60332-1, CM or CMR

Smoke Density: IEC61034

Halogen Free: IEC60754

