

# UTP CAT 6 FEP CMP

**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:** UTP CAT 6 FEP CMP

## 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

ISO/IEC 11801: 2011; IEC61156-5:2009; UL444  
 EN50173; EN50288; TIA-568-C.2:2009

## Multi-construction

4 Pair

## Cable Construction

1.Conductor	Bare Copper
Construction (mm)	0.54±0.01
2.Insulation	FEP
Insulation Dia.(mm)	0.92±0.08×2C Twist
3.Filler	FEP Cross Member
4.Jacket	CMP PVC
Thickness	0.45
Dia.(mm)	5.60±0.20
Jacket Color	According to customer
Color	
Insulation color are:	
Blue, White	Orange, White
Green, White	Brown, White

## Marking

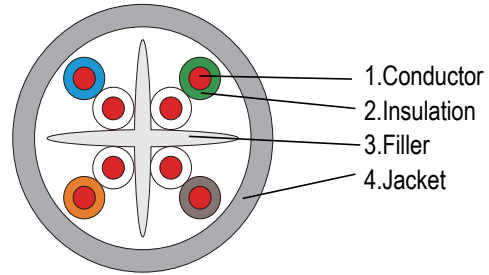
According to customer

## Packaging

305M/EasyReel Box

## Label

## Design



## Electrical Characteristics

### Performance

Frequency (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	PSNEXT (dB)	RETURN LOSS (dB)
4.0	3.8	66.3	63.3	23.0
10.0	6.0	60.3	57.3	25.0
16.0	7.6	57.2	54.2	25.0
20.0	8.5	55.8	52.8	25.0
31.3	10.7	52.9	49.9	23.6
62.5	15.5	48.4	45.4	21.5
100.0	19.9	45.3	42.3	20.1
155.5	25.3	42.4	39.4	18.8
175.0	27.1	41.7	38.7	18.4
200.0	29.1	40.8	37.8	18.0
250.0	33.0	39.3	36.3	17.3

Frequency (MHz)	ELFEXT (dB/100m)	PS ELFEXT (dB/100m)
4.0	56.0	53.0
10.0	48.0	45.0
16.0	43.9	40.9
20.0	42.0	39.0
31.3	38.1	35.1
62.5	32.1	29.1
100.0	28.0	25.0
155.5	24.2	21.2
175.0	23.1	20.1
200.0	22.0	19.0
250.0	20.0	17.0

Max. Conductor DC Resistance at 20°C (Ω/Km)	<97.6
Rated Temperature(°C)	75
Velocity ratio	70%
Impedance(Ω)	1-100MHz 100±15 100-250MHz 100±20
Fire Performance: CMP UL File NO. E334179	

