

# UTP CAT 5E FEP CMP



**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 5E 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

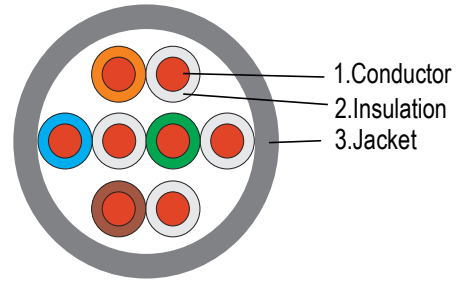
### Multi-construction

4 Pair

## Cable Construction

<b>1.Conductor</b>	Bare Copper
Construction (mm)	0.50±0.01
<b>2.Insulation</b>	FEP
Insulation Dia.(mm)	0.88±0.05×2C Twist
<b>3.Jacket</b>	CMP PVC
Thickness	0.45
Dia.(mm)	5.00±0.20
Jacket Color	According to customer
<b>Color</b>	
Insulation color are:	
Blue, White	Orange, White
Green, White	Brown, White
<b>Marking</b>	
According to customer	
<b>Packaging</b>	
305M/EasyReel Box	
<b>Label</b>	

## Design



## Electrical Characteristics

### Performance

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Return Loss (dB)
4.00	4.10	56.30	53.30	23.00
10.00	6.50	50.30	47.30	25.00
16.00	8.30	47.20	44.20	25.00
31.25	11.70	42.90	39.90	23.60
62.50	17.00	38.40	35.40	21.50
100.00	22.00	35.30	32.30	20.10

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
4.00	52.00	49.00
10.00	44.00	41.00
16.00	39.90	36.90
31.25	34.10	31.10
62.50	28.10	25.10
100.00	24.00	21.00

Max. Conductor DC Resistance at 20°C (Ω/Km)	<104.8
Rated Temperature(°C)	75
Velocity ratio	68%
Impedance(Ω)	1-100MHz 100±15
Fire Performance: CMP	
UL File NO. E334179	

