

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

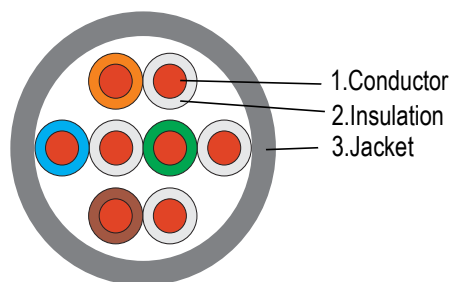
Multi-construction

4 Pair

Cable Construction

1.Conductor	Bare Copper
Construction (mm)	0.50±0.01
2.Insulation	FEP
Insulation Dia.(mm)	0.88±0.05×2C Twist
3.Jacket	CMP PVC
Thickness	0.45
Dia.(mm)	5.00±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)
4.00	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	

