

UTP CAT 6 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 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

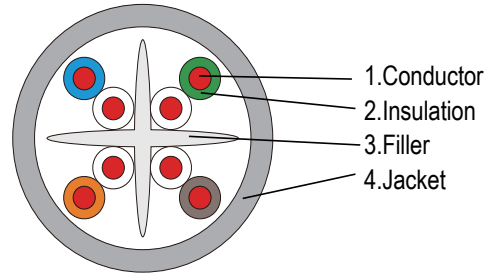
According to customer

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	

