

CAT6/F-UTPBLK

CABLEMASTER (AUST)

Distributed by : SKANDIA

131 Wedgewood road Hallam 3803

1300 788 466

Revision History

Part No:AZ-163	Price NO:
Prepared by:CXY	Date: 2018/2/5
Approved by:	Page: 1 of 1

Product Code:**CAT6/F-UTPBLK**

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; IEC61156-4 ANSI/TIA-568-C.2
EN50173; EN50288

Multi-construction

4 Pair

Cable Construction

1.Conductor	Bare Copper
Construction	0.54±0.01
2.Insulation	Solid PE
Insulation Dia.(mm)	1.05±0.08×2C Twist
Each Pair is Twisted ,Unshielded.	
3.Filler	Cross Member
4.Total Mylar Spiral	>=115%
5.Drain Wire	Tinned Copper
Construction (mm)	T0.40±0.008
6.Al-Pet Shielded	>=115%
7.Jacket	LSZH
Dia.(mm)	7.20±0.20
Jacket Color	Black
Color	
Insulation color are:	
Blue, White/Blue	Orange,White/Orange
Green, White/Green	Brown, White/Brown

Marking(ink White,one per meter)

DD/MM/YY CABLEMASTER F/UTP CAT6 LSZH TIA 568-C.2 IEC
11801:2011 305M.....001M

Production date=DDMMYY

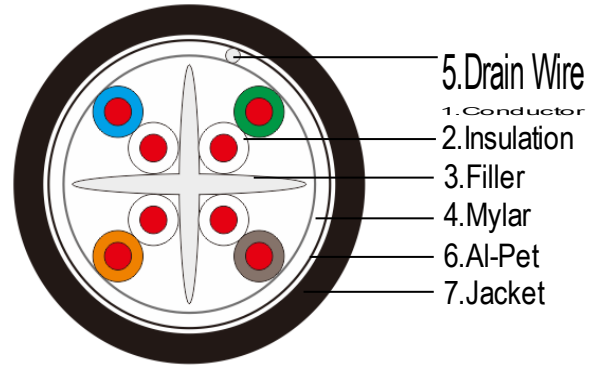
PACKAGING

305M/Wooden reel

Label

CABLEMASTER Commercial
F/UTP CAT6 LSZH
RoHS(2002/95/EC)
305M

Design



Electrical Characteristics

Performance

Frequency (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	PSNEXT (dB)	RL (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)	PSELFEXT (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)	<91.3
Rated Temperature(°C)	60
Velocity ratio	70%
Impedance(Ω)	1-100MHz 100±15 100-250MHz 100±20
Fire Performance: IEC60332-1	
Smoke Density: IEC61034	
Halogen Free: IEC60754	

