

# F-UTP Cat 6 LSZH

## CABLEMASTER (AUST)

Distributed exclusively by:

Skandia

131 Wedgewood road Hallam 3803

1300 788 466

### Revision History

AZ-159	Price NO:
Prepared by: CXY	Date: 2017/7/27
Approved by:	Page: 1 of 1

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

### 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

<b>1. Conductor</b>	<b>Bare Copper</b>
Construction	0.54±0.01
<b>2. Insulation</b>	<b>Solid PE</b>
Insulation Dia.(mm)	1.05±0.08×2C Twist
<b>Each Pair is Twisted ,Unshielded.</b>	
<b>3. Filler</b>	<b>Cross Member</b>
<b>4. Total Mylar Spiral</b>	<b>&gt;=115%</b>
<b>5. Drain Wire</b>	<b>Tinned Copper</b>
Construction (mm)	T0.40±0.008
<b>6. Al-Pet Shielded</b>	<b>&gt;=115%</b>
<b>7. Jacket</b>	<b>LSZH</b>
Dia.(mm)	7.20±0.20
Jacket Color	Grey(RAL-7044)

#### Color

Insulation color are:

Blue, White/Blue	Orange, White/Orange
Green, White/Green	Brown, White/Brown

#### Marking(ink black, one per meter)

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

Production date=DDMMYY

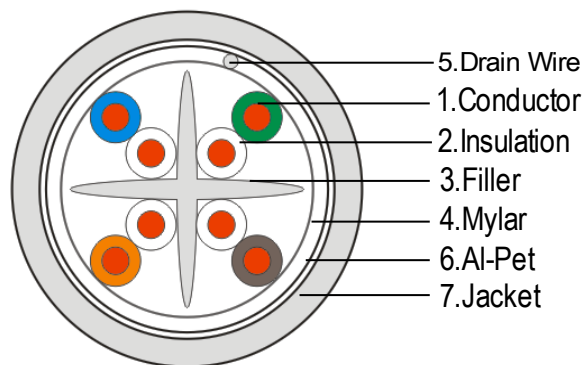
#### PACKAGING

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

