

# UTP Cat 6A LSZH 28AWG

## CABLEMASTER (AUST)

Distributed by skandia  
 131 Wedgewood road  
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### Revision History

Part No: PC6A xxxx	Price NO: AZ-151-2
Prepared by: CXY	Date: 2016/7/11
Approved by:	Page: 1 of 1

**Product Code:** UTP Cat 6A LSZH 28AWG

### 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

#### Reference Standard

ISO/IEC 11801: 2011; IEC61156-5:2009; ANSI/TIA-568-C.2  
 EN50173; EN50288

#### Multi-construction

4 Pair

### Cable Construction

<b>1.Conductor</b>	<b>Bare Copper</b>
Construction (mm)	0.122±0.01×7
<b>2.Insulation</b>	<b>HDPE</b>
Insulation Dia.(mm)	0.60±0.05×2C Twist
<b>3.Filler</b>	<b>Corss Member</b>
<b>4.Jacket</b>	<b>LSZH</b>
Dia.(mm)	4.50±0.20
Jacket Color	Blue(RAL5015), Green(RAI6018)

#### Color

Insulation color are:

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

#### Marking

DDMMYY CABLEMASTER UTP CAT6A PATCH CABLE ISO/IEC 11801  
 ED.2 & ANSI/TIA-568-C.2 LSZH  
 DDMMYY=Production date

#### Packaging

0.5m\1m\2m\3m\5m\7m\10m\15m\20m/PE Bag

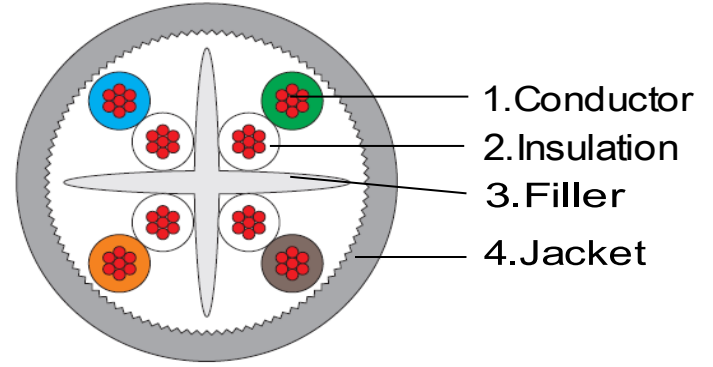
#### Label

**CABLEMASTER Commercial UTP CAT 6A**  
**Patch Cord LSZH**  
**RoHS(2002/95/EC)**  
**5M**

#### BOOT



## Design



## Electrical Characteristics

Performance			
Frequency (MHz)	ATTENUATION (dB/60m)	NEXT (dB)	RETURN LOSS (dB)
4.0	5.8	66.3	23.0
10.0	9.0	60.3	25.0
16.0	11.4	57.2	25.0
31.3	16.1	52.9	23.6
62.5	23.3	48.4	21.5
100.0	29.9	45.3	20.1
250.0	49.7	39.3	17.3
300.0	55.1	38.1	16.8
400.0	65.0	36.3	15.9
500.0	74.1	34.8	15.2

**Note: The inspection for cable will be according to TIA Cat 6a Perm. Link & ISO11801 PL2 Class Ea of Fluke at 60m**

**The inspection for patch cord will be according to Cat6a Channel Class EA**

Max.Conductor DC Resistance at 20°C (Ω/Km)	<237.5
Rated Temperature(°C)	60
Velocity ratio	70%
Impedance(Ω)	1-100MHz 100±15
	100-250MHz 100±20
	250-500MHz 100±25

Fire Performance: IEC60332-1

Smoke Density: IEC61034

Halogen Free: IEC60754

#### BOOT

