

# CAT5E

**CABLEMASTER (AUST)**

## Revision History

Revision No :AZ-129-3	Price NO:
Prepared by:CYX	Date: 2015/3/17
Approved by:	Page: 1 of 1

**Product Code: CAT5E**

## Product Description

### Application:

1000 Mbits/s Networks;VOIP; IP Camera; IP TV;

### Reference Standard

ISO/IEC 11801: 2011; IEC61156-5:2009; UL444

EN50173; EN50288; TIA-568-C.2:2009

### Multi-construction

4 Pair

## Cable Construction

<b>1.Conductor</b>	<b>Bare Copper</b>
Construction (mm)	0.50±0.01
<b>2.Insulation</b>	<b>HDPE</b>
Insulation Dia.(mm)	0.92±0.01×2C Twist
<b>3.Jacket</b>	<b>CM PVC</b>
Dia.(mm)	5.20±0.20
Jacket Color	Blue(RAL5015)
<b>Color</b>	
Insulation color are:	
Blue, White	Orange,White
Green, White	Brown, White

### Marking

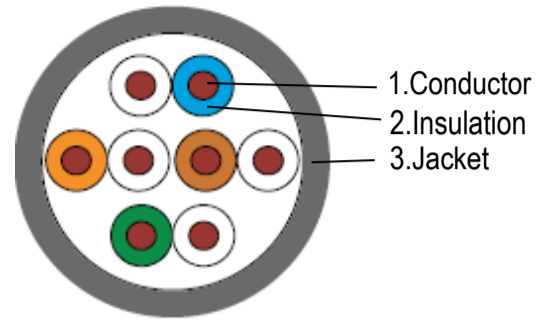
CABLEMASTER Built for speed CAT5E UTP CM-PVC AS/ACIFS008 N2020 305m...001m

### Packaging

305m/Black Box



## 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)	70
Velocity ratio	68%
Impedance(Ω)	1-100MHz 100±15

Fire Performance: CM