

CAT6B305 UV-PVC Black

CABLEMASTER (AUST)

Distributed by: SKANDIA

131 Wedgewood road Hallam 3803

1300 788 466

Revision History

Part No:AZ-164-2	Price NO:
Prepared by:CXY	Date: 2018/2/23
Approved by:	Page: 1 of 1

Product Code:CAT6B305

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; ANSI/TIA-568-C.2

Multi-construction

4 Pair

Cable Construction

1.Conductor	Bare Copper
Construction (mm)	0.52±0.01
2.Insulation	HDPE
Insulation Dia.(mm)	0.93±0.05×2C Twist
3.Filler	Cross Member
4.Jacket	UV-PVC
Dia.(mm)	5.60±0.20
Jacket Color	Black

Color

Insulation color are:

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

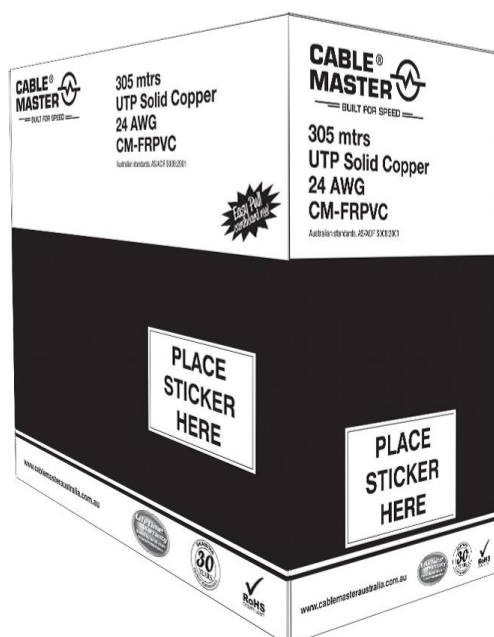
Marking (ink white one per merter)

DDMMYY CABLEMASTER UTP CAT6 AS/ACIF S008:2006 305m.....
001m

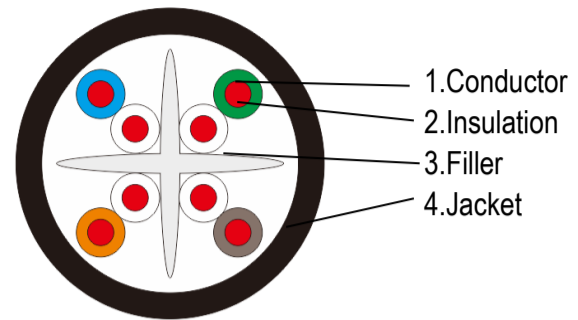
Production date=DDMMYY

Packaging

305M/Black/White Easy Box



Design



Electrical Characteristics

Performance

Frequency (MHz)	Attenuation (dB)	NEXT (dB)	RL (dB)	Return Loss (dB)
4.00	3.80	66.30	63.30	23.00
10.00	6.00	60.30	57.30	25.00
16.00	7.60	57.20	54.20	25.00
31.25	10.70	52.90	49.90	23.60
62.50	15.50	48.40	45.40	21.50
100.00	19.90	45.30	42.30	20.10
250.00	33.00	39.30	36.30	17.30

Frequency (MHz)	ELFEXT (dB)	PSELFEXT (dB)
4.00	56.00	53.00
10.00	48.00	45.00
16.00	43.90	40.90
31.25	38.10	35.10
62.50	32.10	29.10
100.00	28.00	25.00
250.00	20.00	17.00

Max.Conductor DC Resistance at 20°C (Ω/Km) <90

Rated Temperature(°C) 70

Velocity ratio 70%

Impedance(Ω)
1-100MHz 100±15
100-250MHz 100±20

