

# DATA SHEET

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C6ABC50 SERIES

# CATEGORY 6A SOLID ETHERNET BULK CABLE

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# OVERVIEW

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## CAT6A SOLID ETHERNET BULK CABLE DATA SHEET

### INTRODUCTION

Black Box CMR PVC Cat6A cable is perfect for creating custom length horizontal network cable runs. This cable offers an exceptional value for jobs that require standards compliance at a cost-effective price. This Cat6A cable also offers other features that make it easier to use, save on installation time and expense, and ensure product quality during the installation.

### FEATURES

- **PREMIUM CABLING SOLUTION CONSTRUCTED TO EXCEED CAT6A INDUSTRY STANDARDS**
- **TESTED TO 650MHZ, SURPASSING THE CAT6A INDUSTRY STANDARD OF 500MHZ**
- **CMR RATED JACKETING FOR USE IN VERTICAL APPLICATIONS BETWEEN FLOORS OR IN ELEVATOR SHAFTS, BUT NOT IN ENVIRONMENTAL AIR SPACES**
- **SOLID WIRE PROVIDES LESS FLEXIBILITY BUT BETTER ELECTRICAL CHARACTERISTICS AND LOWER ATTENUATION, MAKING IT IDEAL FOR LONG BACKBONE OR HORIZONTAL/VERTICAL RUNS**
- **ETL VERIFIED FOR COMPONENT-LEVEL PERFORMANCE AND AS PART OF OUR CAT6A CHANNEL**
- **SUPPORTS 10-GBE UP TO 328 FEET (100 M)**
- **SUPPORTS POE AND POE+ FOR VOIP, WAP, AND SECURITY APPLICATIONS**
- **TAA COMPLIANT**

### PRODUCT IMAGE

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#### CAT6A SOLID ETHERNET BULK CABLE DATA SHEET



C6ABC50-BK-1000

# SPECIFICATIONS

## CAT6A SOLID ETHERNET BULK CABLE DATA SHEET

### SPECIFICATIONS FOR CAT6A SOLID ETHERNET BULK CABLE

FEATURE	SPECIFICATION
ACRF	27.8 dB/100 m at 100 MHz; 19.84 dB/100 m at 250 MHz; 14.74 dB at 500 MHz
APPROVALS	ETL Verified; ANSI/TIA-568-C.2 Category 6A; IEEE 802.3 an; UL® 444, 1666; UL E196163-P
CAPACITANCE UNBALANCE (PAIR TO GROUND)	330 pF/100 m maximum
CONDUCTOR	23-AWG solid, bare copper
CROSS WEB (PVC)	Flame-resistant PE
DCR UNBALANCE	4% maximum
DELAY SKEW	45 ns/100 m at 650 MHz maximum
INSERTION LOSS (MAXIMUM)	19.14 dB/100 m at 100 MHz; 31.07 dB/100 m at 250 MHz; 42.71 dB at 500 MHz
INSULATION	HDPE
SAFETY TESTING	UL 1666 - CMR
NEXT	44.30 dB/100 m at 100 MHz; 38.33 dB/100 m at 250 MHz; 34.50 dB at 500 MHz
NUMBER OF PAIRS	4 Pairs
PROPAGATION DELAY	650 MHz, 535.4 ns/100m maximum
PS-AACRF	38.2 dB/100 m at 100 MHz; 30.24 dB/100 m at 250 MHz; 25.14 dB at 500 MHz
PS-ACRF	24.8 dB/100 m at 100 MHz; 16.84 dB/100 m at 250 MHz; 11.74 dB at 500 MHz
PS-ANEXT	62.5 dB/100 m at 100 MHz; 56.53 dB/100 m at 250 MHz; 52.7 dB at 500 MHz
PS-NEXT	42.30 dB/100 m at 100 MHz; 36.33 dB/100 m at 250 MHz; 32.50 dB at 500 MHz
RETURN LOSS	20.11 dB/100 m at 100 MHz; 17.32 dB/100 m at 250 MHz; 15.53 dB at 500 MHz
DIAMETER (OUTER)	0.334" (8.5 +/- 0.2 mm)
COLOR	Dependent upon SKU (See ordering section on next page for options.)
WIRE TYPE	Solid
JACKET	PVC
TIA COMPLIANCE	TIA Compliant
LENGTH	1000 ft.
PACKAGING	Spool



# ORDERING INFORMATION

## CAT6A SOLID ETHERNET BULK CABLE DATA SHEET

ITEM	CODE
Black Category 6A Bulk Ethernet Cable	<b>C6ABC50-BK-1000</b>
Blue Category 6A Bulk Ethernet Cable	<b>C6ABC50-BL-1000</b>
Green Category 6A Bulk Ethernet Cable	<b>C6ABC50-GN-1000</b>
White Category 6A Bulk Ethernet Cable	<b>C6ABC50-WH-1000</b>

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### DISCLAIMER

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### ABOUT BLACK BOX

Black Box® is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.

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