DATA SHEET

C6ABC51 SERIES

CATEGORY 6A SOLID ETHERNET BULK CABLE

24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT BLACKBOX.COM





OVERVIEW

CAT6A SOLID ETHERNET BULK CABLE DATA SHEET

INTRODUCTION

Black Box Plenum 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
- CMP RATED JACKETING FOR USE IN DUCTS, PLENUMS, AND SPACES USED FOR ENVIRONMENTAL AIR
- 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
- IDEAL FOR SERVER-TO-SERVER/-STORAGE/-SWITCH, DISTRIBUTED BACKBONE, AND ZONE CONNECTIONS
- TAA COMPLIANT

PRODUCT IMAGE

CAT6A SOLID ETHERNET BULK CABLE DATA SHEET



C6ABC51-YL-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, NFPA-262; UL E196163-P			
CAPACITANCE UNBALANCE (PAIR TO GROUND)	330 pF/100 m maximum			
CONDUCTOR	23-AWG solid, bare copper			
CROSS WEB (PVC)	Plenum-rated polymer			
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	FEP			
SAFETY TESTING	NFPA-262 CMP			
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, 535.4ns/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)	0.3188" (8.1 ± 0.2 mm)			
COLOR	Dependent upon SKU (See ordering section on next page for options.)			
WIRE TYPE	Solid			
JACKET	FR PVC			
TIA COMPLIANCE	TIA Compliant			
LENGTH	1000 ft.			
PACKAGING	Spool			

ORDERING INFORMATION

CAT6A SOLID ETHERNET BULK CABLE DATA SHEET

ITEM	CODE
Blue Category 6A Bulk Ethernet Cable	C6ABC51-BL-1000
Green Category 6A Bulk Ethernet Cable	C6ABC51-GN-1000
Gray Category 6A Bulk Ethernet Cable	C6ABC51-GY-1000
Red Category 6A Bulk Ethernet Cable	C6ABC51-RD-1000
White Category 6A Bulk Ethernet Cable	C6ABC51-WH-1000
Yellow Category 6A Bulk Ethernet Cable	C6ABC51-YL-1000

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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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