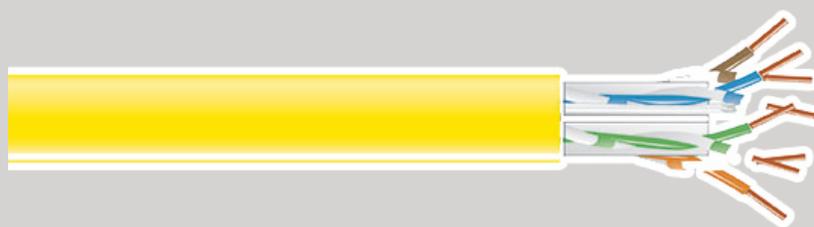


DATA SHEET

C6ABC51 SERIES

CATEGORY 6A SOLID ETHERNET BULK CABLE

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



BLACK BOX

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



