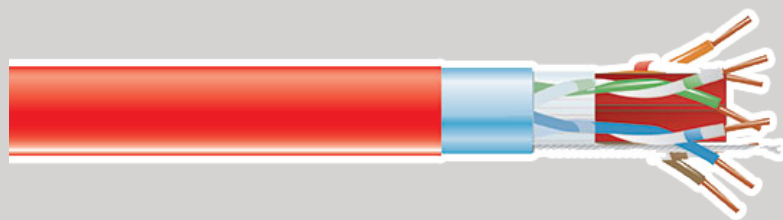


DATA SHEET

C6ABC51S SERIES

CATEGORY 6A SHIELDED SOLID ETHERNET BULK CABLE

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



OVERVIEW

CAT6A SHIELDED SOLID ETHERNET BULK CABLE DATA SHEET

INTRODUCTION

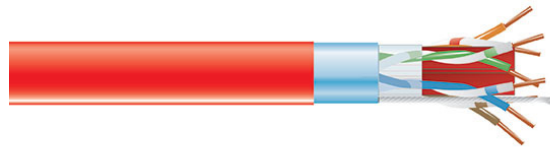
Black Box CAT6A 650-MHz Solid Ethernet Bulk Shielded Cable provides transmission performance beyond 650MHz exceeding the industry standards and ETL Verified for supporting the operation of 10Gig Ethernet applications (10GBASE-T). This cabling provides support for high-bandwidth applications such as data centers and other data-intensive or backbone requirements.

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**
- **CONSTRUCTED FROM INTERNAL SEPARATOR, FEP INSULATION, DIELECTRIC TAPE, DRAIN WIRE, ALUMINUM/MYLAR TAPE**
- **A CENTER ISOLATION MEMBER MAINTAINS PAIR SEPARATION FOR OPTIMAL NEXT PERFORMANCE**
- **CAT6A UTP COMES WITH 0.271" OUTSIDE DIAMETER**
- **TESTED UP TO 650 MHZ**
- **FOIL SHIELD CONSTRUCTION VIRTUALLY ELIMINATES ALIEN CROSSTALK**
- **SUPPORTS IEEE 802.3 AND 10GBASE-T, AND TIA 568-C.2. ETL TESTED**
- **TAA COMPLIANT**

PRODUCT IMAGE

CAT6A SHIELDED SOLID ETHERNET BULK CABLE DATA SHEET



C6ABC51S-RD-1000

SPECIFICATIONS

CAT6A SHIELDED SOLID ETHERNET BULK CABLE DATA SHEET

SPECIFICATIONS FOR CAT6A SHIELDED SOLID ETHERNET BULK CABLE

FEATURE	SPECIFICATION
ACRF	28 dB at 100 MHz; 20 dB at 250 MHz; and 14 dB at 500 MHz
BEND RADIUS	2.17" (55 mm)
CONDUCTORS	4-pair, 23 AWG, solid copper
CONSTRUCTION	Internal separator, FEP insulation, dielectric tape, drain wire, aluminum/Mylar® tape
INSERTION LOSS (MAXIMUM)	19.1 at 100 MHz; 45.3 at 500 MHz
INSULATION	Fluoropolymer (FEP)
JACKET	FR PVC (Low Smoke)
NEXT	45.3 dB at 100 MHz; 39.3 dB at 250 MHz; 37.1 dB at 350 MHz; 34.8 dB at 500 MHz; 33.1 dB at 650 MHz
OUTSIDE DIAMETER	0.271" (6.9 mm ± 0.2 mm)
PS-NEXT	43.3 dB at 100 MHz; 37.3 dB at 250 MHz; 35.1 dB at 350 MHz; 32.8 dB at 500 MHz
RETURN LOSS	20.1 at 100 MHz; 15.5 at 500 MHz
STANDARDS	IEEE 802.3an; TIA 568-C.2; UL®, ETL Tested
COLOR	Dependent upon SKU (See ordering section on next page for options.)
SHIELDING TYPE	Aluminum Foil/Mylar Tape with Tinned Drain Wire (F/UTP)
TAA COMPLIANCE	TAA Compliant
LENGTH	1000 ft.
PACKAGING	Spool
FILLER SLOT	FEP
SAFETY TESTING	NFPA-262 CMP



ORDERING INFORMATION

CAT6A SHIELDED SOLID ETHERNET BULK CABLE

ITEM	CODE
Black Category 6A Bulk Ethernet Cable	C6ABC51S-BK-1000
Blue Category 6A Bulk Ethernet Cable	C6ABC51S-BL-1000
Green Category 6A Bulk Ethernet Cable	C6ABC51S-GN-1000
Red Category 6A Bulk Ethernet Cable	C6ABC51S-RD-1000
White Category 6A Bulk Ethernet Cable	C6ABC51S-WH-1000
Yellow Category 6A Bulk Ethernet Cable	C6ABC51S-YL-1000

NOTES _____

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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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