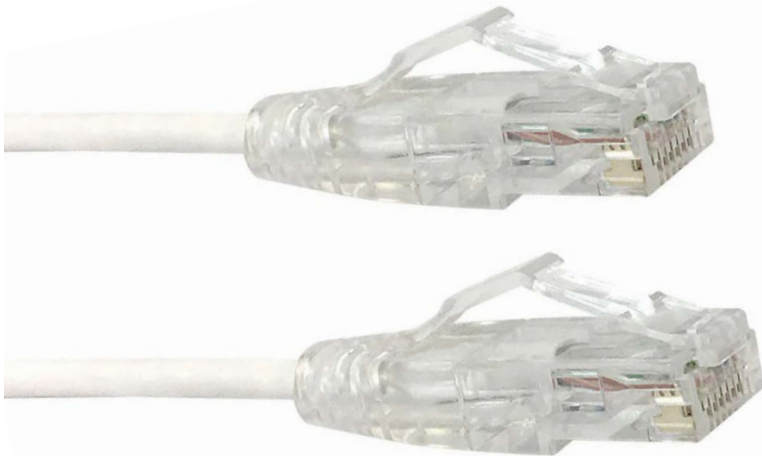


Black-stone CAT 6A Small Diameter High Density Patch Cord

PART NO. : BSAC1M6A-WH



DISCRIPTION

Blackstone Cat 6A small diameter high density Patch Cords, with a compact plug and boot, are designed to be used in 10-Gigabit applications for all frequencies from 1 to 500 MHz. Patch cords offer flexible, high density patching. Patch cables provide small 0.185" (4.7 mm) OD and support high-speed data applications. They reduce patch cord density in a 24-port patch panel by 25% when compared to typical Cat 6A patchcords. They are ideal for use in a UTP Cat 6A system, or as part of a Cat 6A shielded system.

FEATURES

- Available in lengths from 1-50 feet.
- Accepts clip-on colored boot markers for network ID.
- Snagless design prevents tab breakage.
- Integrated strain relief.
- Unshielded twisted bear cord installations.
- Bend radius is a narrow 0.74 inches, versus 1.0 inch for typical Cat6A patch cords.
- Compact plug and boot promotes shorter installed bend radius, ideal for limited depth applications.

SPECIFICATION

Patch cords shall meet or exceed electrical transmission performance requirements of links and channels as described in ANSI/TIA-568.2-D (Cat 6A), ISO/IEC 11801-1 (Class EA), and EN 50173-1 (Class EA).

The patch cords shall be 28 AWG, unshielded, twisted-pair, stranded conductor construction with a standard 8-position modular plug on both ends.

Plug contacts shall be plated with minimum of 50 micro inches of gold. Patch cords shall have an outer diameter of 0.185" (4.7 mm) and shall be available in white, yellow, gray,black, red, green, and blue.

DESIGN CONSIDERATIONS

- Supports 96-meter channels that include 90-meter permanent links.
- Supports 93-meter channels with 10 meters of patch cords included in the channel.
- Under PoE at 100 watts, must observe bundle size/bundle separation per TIA TSB-184-A.

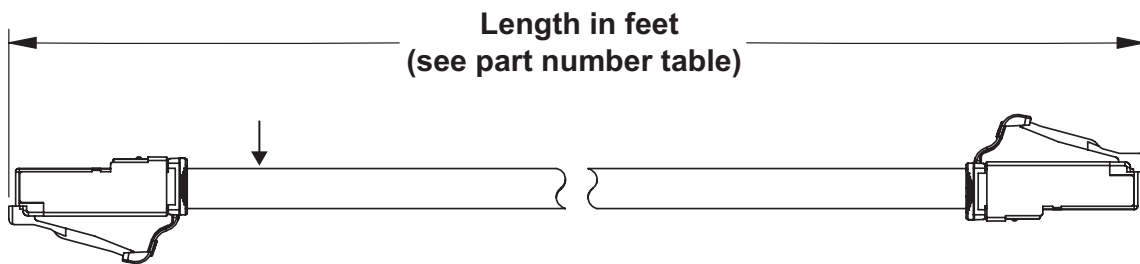
Performance Specification

Dimensions	1±50-foot lengths (0.3-15 m)
Materials	28 AWG, stranded U/FTP, standard modular non-keyed, 8-position, 8-conductor plug, 94V-0 rated
Cable Outer Diameter	0.185 inches (4.7 mm)
Bend Radius	0.74 inches (18.8 mm)
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Installation Temperature	0 °C to +50 °C (+32 °F to +122 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
UL voltage rating	300 v
Humidity (Max)	93% relative humidity, non-condensing
Flammability Rating	Dual Rated (CM-LSZH) Depends on jacket material

STANDARDS & REGULATIONS

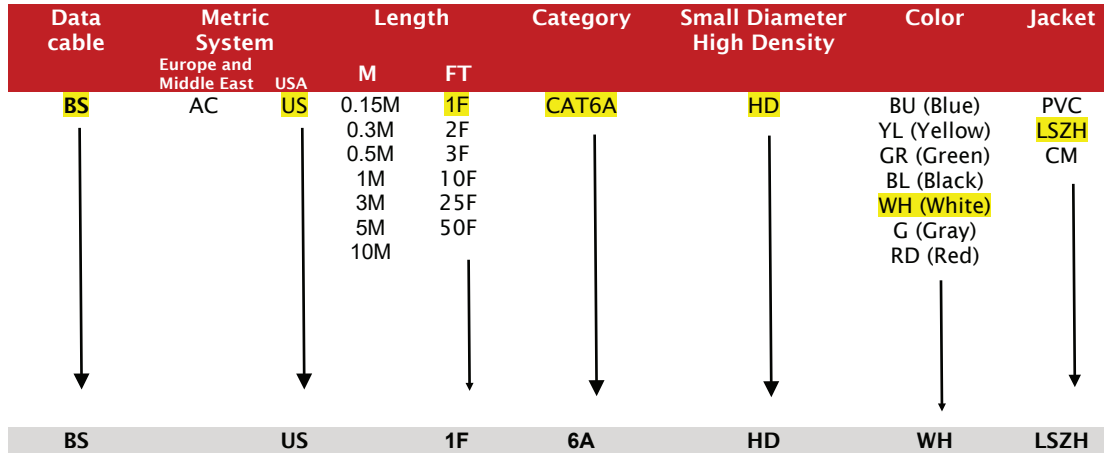
- ANSI/TIA-568.2-D (Cat 6A)
- ISO/IEC 11801-1 (Cat 6A)
- EN 50173-1 (Cat 6A)
- IEC 61156-6 (Cat 6A)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- CE CERTIFIED
- IEC 60332-1-2, 60754-2, 61034
- IEC 60603-7
- IEC 60603-7-1
- IEEE 802.3bt PoE Type 1, 2, 3, 4 (100 watts Max)
- IEEE 802.3bt standard up to 0.5 amps per conductor (100 watts) continuously
- Fully supports the safe delivery of power over LAN cabling described by IEEE 802.3bt (Type 4) and complies with the unmating under electrical load requirements prescribed by IEC 60512-99-002
- Cisco UPOE, UPOE+ (90 watts Max)
- Power over HDBaseT™ PoH (95 watts Max)
- RoHS compliant

PRODUCT SPECIFICATIONS



ORDER INFORMATION

Part number guide example for Black-stone CAT6a Small Diameter High Density Patch Cord



PN://BS 1F 6A WH LSZH PB://BSUS6A-WH-LSZH

Description	Europe and Middle East						
	Color						
	White	Yellow	Grey	Red	Black	Green	Blue
Cat6a Small Diameter HD, 0.15m	BSAC015M6A-HD-Wh	BSAC015M6A-HD-YL	BSAC015M6A-HD-G	BSAC015M6A-HD-RD	BSAC015M6A-HD-BL	BSAC015M6A-HD-GR	BSAC015M6A-HD-BU
Cat6a Small Diameter HD, 0.3m	BSAC03M6A-HD-Wh	BSAC03M6A-HD-YL	BSAC03M6A-HD-G	BSAC03M6A-HD-RD	BSAC03M6A-HD-BL	BSAC03M6A-HD-GR	BSAC03M6A-HD-BU
Cat6a Small Diameter HD, 0.5m	BSAC05M6A-HD-Wh	BSAC05M6A-HD-YL	BSAC05M6A-HD-G	BSAC05M6A-HD-RD	BSAC05M6A-HD-BL	BSAC05M6A-HD-GR	BSAC05M6A-HD-BU
Cat6a Small Diameter HD, 1m	BSAC1M6A-HD-Wh	BSAC1M6A-HD-YL	BSAC1M6A-HD-G	BSAC1M6A-HD-RD	BSAC1M6A-HD-BL	BSAC1M6A-HD-GR	BSAC1M6A-HD-BU
Cat6a Small Diameter HD, 3m	BSAC3M6A-HD-Wh	BSAC3M6A-HD-YL	BSAC3M6A-HD-G	BSAC3M6A-HD-RD	BSAC3M6A-HD-BL	BSAC3M6A-HD-GR	BSAC3M6A-HD-BU
Cat6a Small Diameter HD, 5m	BSAC5M6A-HD-Wh	BSAC5M6A-HD-YL	BSAC5M6A-HD-G	BSAC5M6A-HD-RD	BSAC5M6A-HD-BL	BSAC5M6A-HD-GR	BSAC5M6A-HD-BU
Cat6a Small Diameter HD, 7m	BSAC7M6A-HD-Wh	BSAC7M6A-HD-YL	BSAC7M6A-HD-G	BSAC7M6A-HD-RD	BSAC7M6A-HD-BL	BSAC7M6A-HD-GR	BSAC7M6A-HD-BU
Cat6a Small Diameter HD, 10m	BSAC10M6A-HD-Wh	BSAC10M6A-HD-YL	BSAC10M6A-HD-G	BSAC10M6A-HD-RD	BSAC10M6A-HD-BL	BSAC10M6A-HD-GR	BSAC10M6A-HD-BU
USA							
Cat6a Small Diameter HD, 1ft	BSUS1F6A-HD-Wh	BSUS1F6A-HD-YL	BSUS1F6A-HD-G	BSUS1F6A-HD-RD	BSUS1F6A-HD-BL	BSUS1F6A-HD-GR	BSUS1F6A-HD-BU
Cat6a Small Diameter HD, 2ft	BSUS2F6A-HD-Wh	BSUS2F6A-HD-YL	BSUS2F6A-HD-G	BSUS2F6A-HD-RD	BSUS2F6A-HD-BL	BSUS2F6A-HD-GR	BSUS2F6A-HD-BU
Cat6a Small Diameter HD, 3ft	BSUS3F6A-HD-Wh	BSUS3F6A-HD-YL	BSUS3F6A-HD-G	BSUS3F6A-HD-RD	BSUS3F6A-HD-BL	BSUS3F6A-HD-GR	BSUS3F6A-HD-BU
Cat6a Small Diameter HD, 10ft	BSUS10F6A-HD-Wh	BSUS10F6A-HD-YL	BSUS10F6A-HD-G	BSUS10F6A-HD-RD	BSUS10F6A-HD-BL	BSUS10F6A-HD-GR	BSUS10F6A-HD-BU
Cat6a Small Diameter HD, 25ft	BSUS25F6A-HD-Wh	BSUS25F6A-HD-YL	BSUS25F6A-HD-G	BSUS25F6A-HD-RD	BSUS25F6A-HD-BL	BSUS25F6A-HD-GR	BSUS25F6A-HD-BU
Cat6a Small Diameter HD, 50ft	BSUS50F6A-HD-Wh	BSUS50F6A-HD-YL	BSUS50F6A-HD-G	BSUS50F6A-HD-RD	BSUS50F6A-HD-BL	BSUS50F6A-HD-GR	BSUS50F6A-HD-BU

Note: Other lengths and colors (such as orange and violet) are available by special order, please contact customer service for more information.