Black-stone CAT 6 Small Diameter High Density Patch Cord
PART NO. : BSAC1M600-WH

DISCRIPTION

Blackstone Cat 6 Small Diameter High Density Patch Cords, with a compact plug and boot, are designed to be used in 1-Gigabit applications and all frequencies from 1 to 250 MHz. Patch cords offer flexible, high-density patching. Cables support high-speed data applications. They reduce patch cord density in a 24-port patch panel by 38 percent when compared to typical Cat 6 patch cords.

FEATURES

- Available in white, yellow, gray, black, red, green, and blue.
- Compact plug and boot promotes shorter installed bend radius, ideal for limited depth applications.
- Accommodate use in high-density switches, routers, and other electronics.
- Bend radius is a narrow 0.60 inches (15.2 mm), versus 1.0 inch (25.4 mm) for typical Cat 6 patch cords.
- Integrated strain-relief.
- Plug contacts rated to 2,500 mating cycles.
- Dual-rated cable jacket (CM/LSZH).
- Accepts clip-on colored boot markers for network identifications.
- Living Building Challenge Red List Free product.

SPECIFICATION

Patch cords shall provide 1 Gigabit application performance for cross connecting in systems comprising of equipment, cable, and appropriate connectors.

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 and rated to 2,500 mating cycles. Patch cords shall have an outer diameter of 0.15 inches (3.8 mm) and shall be available in white, yellow, gray, black, red, green, and blue.

DESIGN CONSIDERATIONS

- Provide connectivity for 1-Gigabit applications
- Available in a variety of colors for color-coding or organization.
- 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, maximum bundle size is 12 cables with a separation of 1.5 inches from outer edge to outer edge of cable bundles for 28 AWG cables installed in air and a maximum ambient temperature of 45 ºC (113 ºF), as defined in TIA TSB-184-A
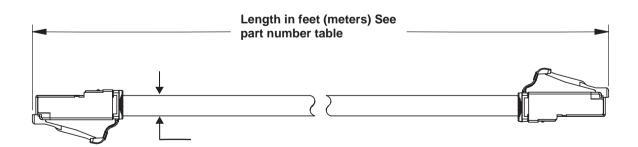
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Performance Specification

Dimensions	6"-20' (0.30 - 6.0 m) in 1' (0.3 m) increments
Materials	28 AWG, stranded UTP, standard modular non-keyed, 8-position, 8-conductor plug, 94V rated-0
Cable Outer Diameter	0.15 inches (3.8 mm)
Bend Radius	0.60 inches (15.2 mm)
Storage Temperature	-20 ºC to +60 ºC (-4 ºF to +140 ºF)
Installation Temperature	0 ºC to +50 ºC (+32 ºF to +122 ºF)
Operating Temperature	-20 ºC to +50 ºC (-4 ºF to +122 ºF)
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 6)
- ISO/IEC 11801-1 (Cat 6)
- EN 50173-1 (Cat 6)
- ANSI/TIA-1096-A (formerly FCC Part 68)
- RoHS 2 compliant
- CE CERTIFIED
- IEC 60332-1 [1,2] (2004-07), 60754, 61034
- IEEE 802.3bt PoE Type 1, 2, 3, 4 (100 watts max)
- IEC 60603-7: Connectors for electronic equipment -Part 7: Detail specification for 8-way, unshielded, free and fixed connectors
- Exceeds 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
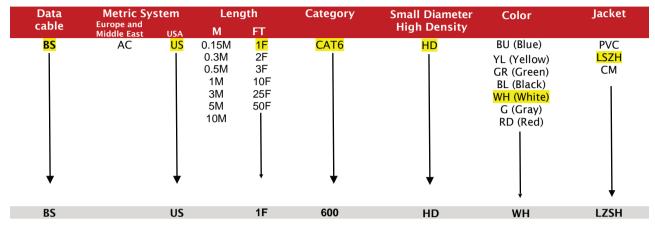- Cisco UPOE, UPOE+ (90 watts max)
- Power over HDBaseT™ PoH (95 watts max)

PRODUCT SPECIFICATIONS

Length in feet (meters) See part number table

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ORDER INFORFMATION

Part number guide example for Black-stone CAT6 Small Diameter High Density Patch Cord

Data cable	Metric System Europe and Middle East / USA	Length M / FT	Category	Small Diameter High Density	Color	Jacket
BS	AC / US	0.15M / 1F 0.3M / 2F 0.5M / 3F 1M / 10F 3M / 25F 5M / 50F 10M	CAT6	HD	BU (Blue) YL (Yellow) GR (Green) BL (Black) WH (White) G (Gray) RD (Red)	PVC LSZH CM
BS	US	1F	600	HD	WH	LZSH

PN://BS US 1F 600 HD WH LSZH   PB://**BSUS600-HD-WH-LSZH**

Description	Color						
	White	Yellow	Grey	Red	Black	Green	Blue
Cat 6 small diameter HD, 0.15m	BSAC015M600-HD-Wh	BSAC015M600-HD-YL	BSAC015M600-HD-G	BSAC015M600-HD-RD	BSAC015M600-HD-BL	BSAC015M600-HD-GR	BSAC015M600-HD-BU
Cat 6 small diameter HD, 0.3m	BSAC03M600-HD-WH	BSAC03M600-HD-YL	BSAC03M600-HD-G	BSAC03M600-HD-RD	BSAC03M600-HD-BL	BSAC03M600-HD-GR	BSAC03M600-HD-BU
Cat 6 small diameter HD, 0.5m	BSAC05M600-HD-Wh	BSAC05M600-HD-YL	BSAC05M600-HD-G	BSAC05M600-HD-RD	BSAC05M600-HD-BL	BSAC05M600-HD-GR	BSAC05M600-HD-BU
Cat 6 small diameter HD, 1m	BSAC1M600-HD-WH	BSAC1M600-HD-YL	BSAC1M600-HD-G	BSAC1M600-HD-RD	BSAC1M600-HD-BL	BSAC1M600-HD-GR	BSAC1M600-HD-BU
Cat 6 small diameter HD, 3m	BSAC3M600-HD-WH	BSAC3M600-HD-YL	BSAC3M600-HD-G	BSAC3M600-HD-RD	BSAC3M600-HD-BL	BSAC3M600-HD-GR	BSAC3M600-HD-BU
Cat 6 small diameter HD, 5m	BSAC5M600-HD-WH	BSAC5M600-HD-YL	BSAC5M600-HD-G	BSAC5M600-HD-RD	BSAC5M600-HD-BL	BSAC5M600-HD-GR	BSAC5M600-HD-BU
Cat 6 small diameter HD, 7m	BSAC7M600-HD-WH	BSAC7M600-HD-YL	BSAC7M600-HD-G	BSAC7M600-HD-RD	BSAC7M600-HD-BL	BSAC7M600-HD-GR	BSAC7M600-HD-BU
Cat 6 small diameter HD, 10m	BSAC10M600-HD-WH	BSAC10M600-HD-YL	BSAC10M600-HD-G	BSAC10M600-HD-RD	BSAC10M600-HD-BL	BSAC10M600-HD-GR	BSAC10M600-HD-BU
USA							
Cat 6 small diameter HD, 1ft	BSUS1F600-HD-WH	BSUS1F600-HD-YL	BSUS1F600-HD-G	BSUS1F600-HD-RD	BSUS1F600-HD-BL	BSUS1F600-HD-GR	BSUS1F600-HD-BU
Cat 6 small diameter HD, 2ft	BSUS2F600-HD-WH	BSUS2F600-HD-YL	BSUS2F600-HD-G	BSUS2F600-HD-RD	BSUS2F600-HD-BL	BSUS2F600-HD-GR	BSUS2F600-HD-BU
Cat 6 small diameter HD, 3ft	BSUS3F600-HD-WH	BSUS3F600-HD-YL	BSUS3F600-HD-G	BSUS3F600-HD-RD	BSUS3F600-HD-BL	BSUS3F600-HD-GR	BSUS3F600-HD-BU
Cat 6 small diameter HD, 10ft	BSUS10F600-HD-WH	BSUS10F600-HD-YL	BSUS10F600-HD-G	BSUS10F600-HD-RD	BSUS10F600-HD-BL	BSUS10F600-HD-GR	BSUS10F600-HD-BU
Cat 6 small diameter HD, 25ft	BSUS25F600-HD-WH	BSUS25F600-HD-YL	BSUS25F600-HD-G	BSUS25F600-HD-RD	BSUS25F600-HD-BL	BSUS25F600-HD-GR	BSUS25F600-HD-BU
Cat 6 small diameter HD, 50ft	BSUS50F600-HD-WH	BSUS50F600-HD-YL	BSUS50F600-HD-G	BSUS50F600-HD-RD	BSUS50F600-HD-BL	BSUS50F600-HD-GR	BSUS50F600-HD-BU

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

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