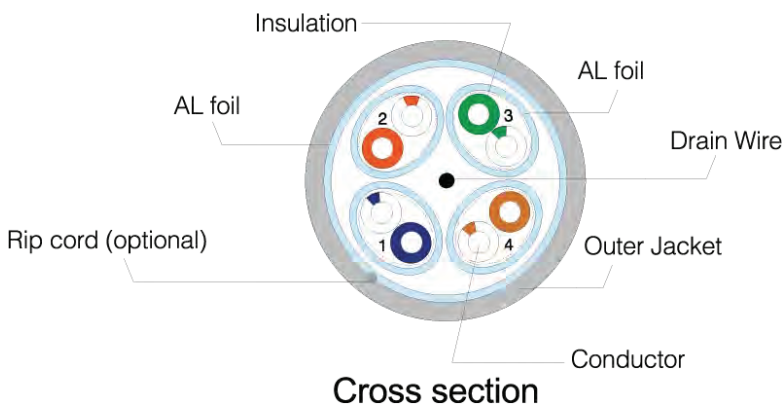


BLACK-STONE CAT 6A 4PAIR S/FTP CABLE

PN://BSCI46A3SFTPCMVL

Product Structure Diagram



Standards

UL Subject 444, ANSI/TIA 568C.2, ANSI/TIA 568.2-D, SO / IEC 11801, IEC 61156-5, YD/T1019-2013

PoE compliance: Meets IEEE 802.3af and IEEE 802.3at for PoE applications

Application

- 100 BASE-Tc
- 100 BASE-TX
- 100VG-AnyLAN
- 1000 BASE-T
- 1000 BASE-TX
- 155 Mbps ATM
- 622 Mbps ATM
- 10GB ETHERNET

Characteristics



Mechanical Characteristics

Operating Temperature	-20~75°C
Maximum Pulling Force	110N
Minimum Bending Radius	8 X O.D.
Flame Test	PVC: CMX/ <u>CM</u> /CMG/CMR LSZH : CPR-B2ca/Cca/Dca/Eca/Fca

Product Structure		
Product Name	CAT 6A 4PAIR F/FTP CABLE	CAT 6A 8PAIR F/FTP CABLE
Conductor	23AWG	23AWG
Number Of Pairs	4	4 x 2
Nominal Conductor Dimension	0.57±0.02mm	0.57±0.02mm
Insulation Material	Skin-Foam-Skin	Skin-Foam-Skin
Nominal Insulation Dimension	1.34±0.05mm	1.34±0.05mm
Color Code	White & Blue/Blue White & Orange /Orange White & Green/Green White & Brown/Brown	
Individual Shield & Material	AL Foil	AL Foil
Outer Shield & Material	Braided Wire	Braided Wire
Drain Wire	yes	yes
Outer Jacket Material	PVC/LSZH	PVC/LSZH
Ripcord	Optional	Optional
Nominal Cable Diameter	7.50±0.30mm	(7.30±0.30) X (15.00±0.60)mm

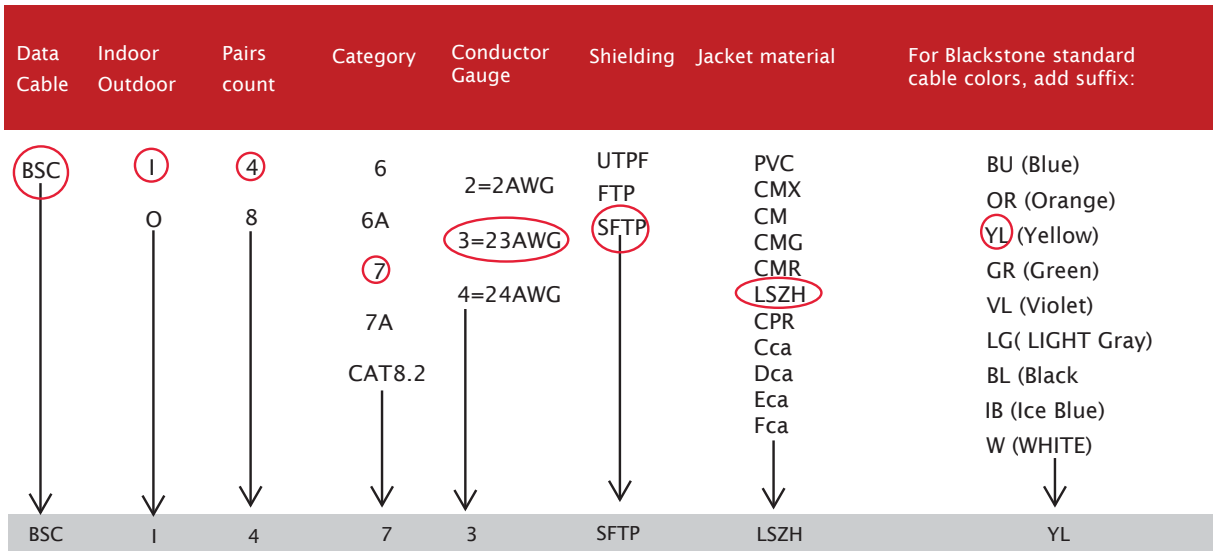
Electrical Characteristics

F (MHz)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	Prop. Delay (ns/100m)	ACR-F (dB/100m)	PSACR-F (dB/100m)	Return Loss (dB)
1	2,1	74,3	72,3	570	67,8	64,8	20,0
4	3,8	65,3	63,3	552	55,8	52,8	23,0
8	5,3	60,8	58,8	547	49,7	46,7	24,5
10	5,9	59,3	57,3	545	47,8	44,8	25,0
16	7,5	56,2	54,2	543	43,7	40,7	25,0
20	8,4	54,8	52,8	542	41,8	38,8	25,0
25	9,4	53,3	51,3	541	39,8	36,8	24,3
31,25	10,5	51,9	49,9	540	37,9	34,9	23,6
62,5	15	47,4	45,4	539	31,9	28,9	21,5
100	19,1	44,3	42,3	538	27,8	24,8	20,1
200	27,6	39,8	37,8	537	21,8	18,8	18,0
250	31,1	38,3	36,3	536	19,8	16,8	17,3
300	34,3	37,1	35,1	536	18,3	15,3	16,8
400	40,1	35,3	33,3	536	15,8	12,8	15,9
500	45,3	33,8	31,8	536	13,8	10,8	15,2

Black-stone, Installation cable 4 or 8 pairs

Part number guide configurations

Part number guide example for **Black-stone Installation Cable Cat7, SFTP, 4P, LSZH YELLOW**



PN://BSC I 4 7 3 SFTP LSZH YL

Cat7, SFTP, 4P, LSZH YELLOW PN://BSCI473SFTPLSZHYL

Additional Information

- All Blackstone Cable has been Tested above the standard.
- 305m (1000 ft.) ALL Packaged Tested.
- POE compliance: Meets IEEE 802.3af and IEEE 802.3at for POE applications.
- Lifetime warranty.

NOTE: Any stock orders placed before May 2024 may be assigned a different part number. We kindly advise you to check with our authorized partner or contact us for further assistance.