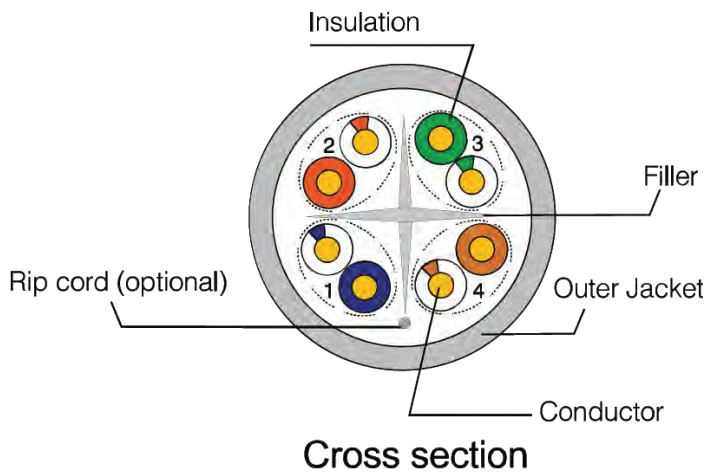


# BLACK-STONE CAT 6 4PAIR U/UTP CABLE LSZH

PN://BSCI463UTPLSZHIB

## Product Structure Diagram



## Standards

UL Subject 444, ANSI/TIA 568C.2, ANSI/TIA 568.2-D, ISO / 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

## Characteristics



Mechanical Characteristics	
Operating Temperature	-20~75°C
Maximum Pulling Force	110N
Minimum Bending Radius	4 X O.D.
Flame Test	PVC: CMX/CM/CMG/CMR <u>LSZH</u> : CPR-B2ca/Cca/Dca/Eca/Fca

Product Structure		
Product Name	CAT 6 4PAIR U/UTP CABLE	CAT 6 8PAIR U/UTP CABLE
Conductor	23AWG	23AWG
Number Of Pairs	4	4 x2
Nominal Conductor Dimension	0.59±0.02mm	0.59±0.02mm
Insulation Material	Solid PE	Solid PE
Nominal Insulation Dimension	1.01±0.06mm	1.01±0.06mm
Color Code	White & Blue/Blue White & Orange /Orange White & Green/Green White & Brown/Brown	
Separator	Yes	Yes
Outer Jacket Material	PVC/LSZH	PVC/LSZH
Ripcord	Optional	Optional
Nominal Cable Diameter	6.50±0.30mm	(6.10±0.30) X (12.40±0.60)mm

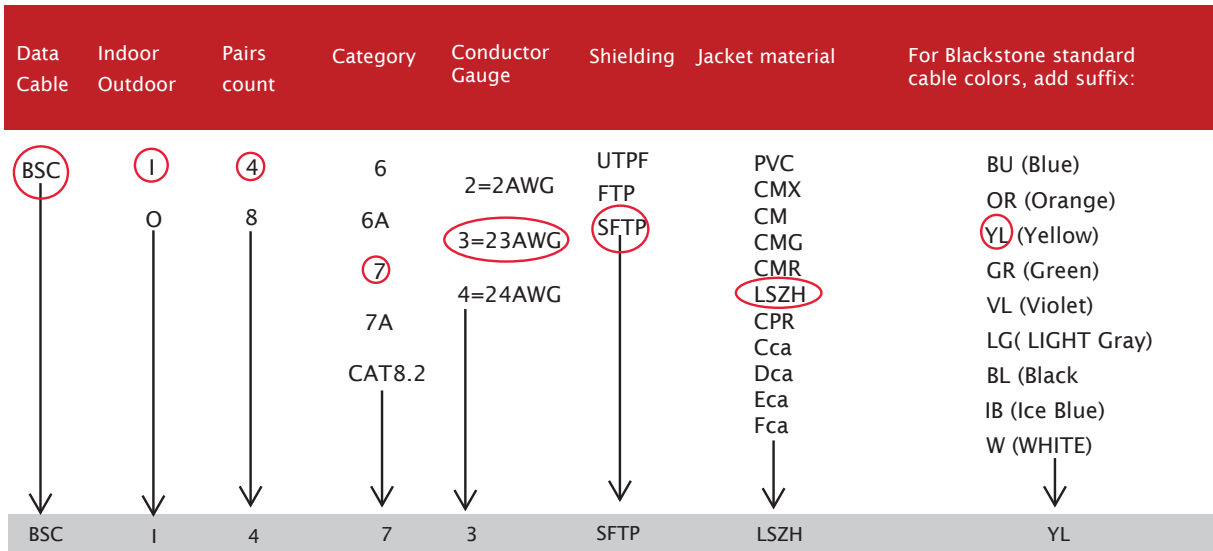
## Electrical Characteristics

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	2,0	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	546,7	49,7	46,7	24,5
10	6,0	59,3	57,3	545,4	47,8	44,8	25,0
16	7,6	56,2	54,2	543	43,7	40,7	25,0
20	8,5	54,8	52,8	542	41,8	38,8	25,0
25	9,5	53,3	51,3	541,2	39,8	36,8	24,3
31,25	10,7	51,9	49,9	540,4	37,9	34,9	23,6
62,5	15,4	47,4	45,4	538,6	31,9	28,9	21,5
100	19,8	44,3	42,3	537,6	27,8	24,8	20,1
200	29,0	39,8	37,8	536,5	21,8	18,8	18,0
250	32,8	38,3	36,3	536,3	19,8	16,8	17,3

# 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.