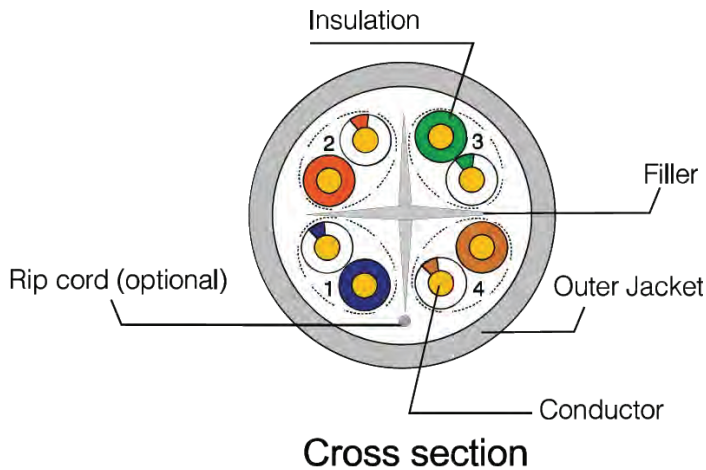


BLACK-STONE CAT 6 4 PAIR U/UTP CABLE

PN://BSCI463UTPPVCW

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 LSZH : 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 |

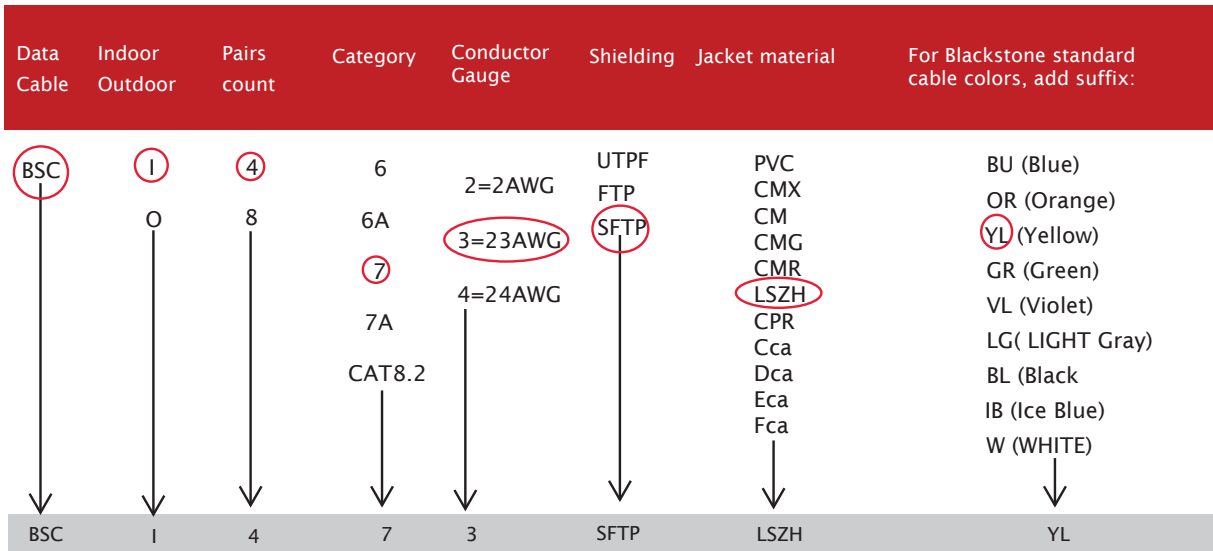
Electrical Characteristics

| 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.