

BLACK-STONE Breakout Fiber Optic Cable

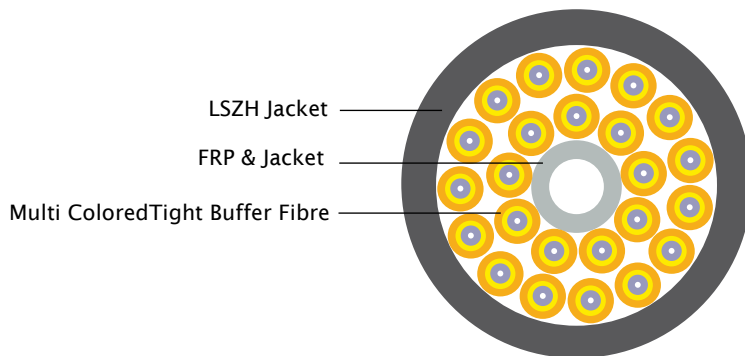


BLACKSTONE breakout cables are constructed of up to 24, 2mm simplex cables stranded around a central strength member. Each simplex has its own aramid yarn strength member and jacket. These sub units are wrapped in a polyester tape and jacketed in LSZH.

FEATUERS

- Lightweight and compact
- High strength Aramid yarn strength members for ease of handling
- LSZH jacket
- Colour coded fibres for easy identification

STRUCTURE DIAGRAM



APPLICATION

- Internal cable for horizontal distribution or riser applications



Fire Retardant



Internal Use



Installation Temperture
Min0°C

STANDERD

Tested to meet or exceeds TIA/ EIA-455-85A, TIA/EIA-455-25C, TIA/EIA-455-37A, TIA/EIA-455-33B, GR-20-CORE, GR-409-CORE, ICEA S-87-640, ICEA S-104-696, ICEA S-83-596

JACKET COLOR

- OS2 (YELLOW)
- OM1 (ORANGE)
- OM2 (ORANGE)
- OM3 (AQUA)
- OM4 (AQUA)
- OM5 (GREEN)



Mechanical Characteristics Cable

DESCRIPTION	4-CORE LSZH	6-CORE LSZH	8-CORE LSZH	12-CORE LSZH	24-CORE LSZH
Outer Diameter	7.0mm	8.2mm	9.4mm	11.8 mm	14.1 mm
Weight	46kg	63kg	86kg	139kg	159kg
Max. Load (installation)	500	1000	1100	1400	2300
Max. Load (installed)	270	600	700	800	1100
Min. Bend Radius(installation)	140	160	190	240	280
Min. Bend Radius(installed)	70	80	95	120	140
Fire Performance				LSZH	LSZH
Operating Temp.	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
Storage Temp.	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
Installation Temp.	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
Crush Resistance	1000	1000	1000	1000	1000

TRANSMISSION PERFORMANCE

Multimode					
Fiber Core Diameter (µm)	62.5	50	50	50	50
Fiber Category	OM1	OM2	OM3	OM4	OM4 Extended Distance
Performance Option Code	30	31	80	90	91
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	3.4/1.0	2.8/1.0	2.8/1.0	2.8/1.0	2.8/1.0
Serial 1 Gigabit Ethernet (m)	300/550	750/600	1000/600	1000/600	1100/600
Serial 10 Gigabit Ethernet (m)	33/-	150/-	300/-	550/-	600/-
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	200/500	700/500	1500/500	3500/500	3500/500
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	220/-	950/-	2000/-	4700/-	5350/-
Single-mode					
Fiber Category	G.652.D			G.657.A2/G.657.B2 (OS2)	
Performance Option Code	31			31	
Wavelengths (nm)	1310/1383/1550			1310/1383/1550	
Maximum Attenuation (dB/km)	0.65/0.65/0.5			0.65/0.65/0.5	

PART NUMBER

Description	Single Mode	OM1	OM2	OM3	OM4	OM4+
BLACK-STONE Breakout Fiber Optic Cable, LSZH	BSBFOS2**YL-LSZH	BSBFOM1**OR-LSZH	BSBFOM2**OR-LSZH	BSBFOM3**AQ-LSZH	BSBFOM4**AQ-LSZH	BSBFOM4+**AQ-LSZH

** is the fiber count between 4 & 24

NOTE: Other diameters are available upon request.