

BLACK-STONE Tight Buffered Distribution Cable Multi-Core

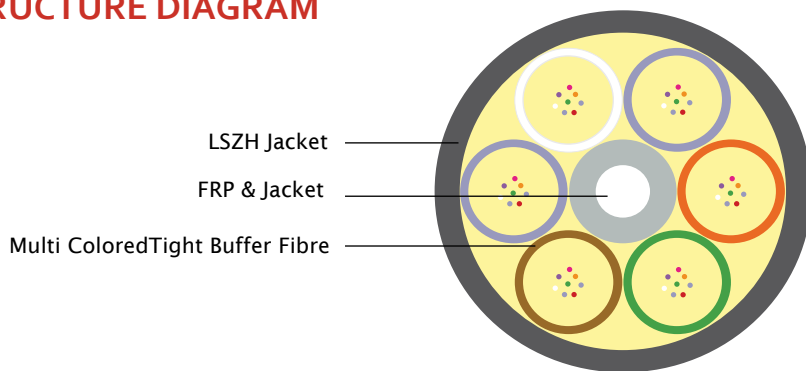


BLACKSTONE 36 to 96 fibre, stranded sub unit rodent resistant internal distribution cables consisting of 4 to 8, 12 fibre sub units and fillers when necessary. Each sub unit consists of 12, 900µm tight buffered optical fibres with e-glass non-metallic strength members and LSZH jacket. The individually colored 6mm outside diameter sub units are helically stranded around an FRP central strength member with polyester wrapping tape, ripcord and Low Smoke Zero Halogen (LSZH) final jacket.

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 Temperature
Min 0°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

Mechanical Characteristics Cable

DESCRIPTION	36-CORE LSZH	48-CORE LSZH	72-CORE LSZH	96-CORE LSZH
Outer Diameter	17.4 ±0.5 mm	17.4 ±0.5 mm	21.6 ±0.5mm	25.5 ±0.5mm
Weight	237 kg	237 kg	397 kg	571 kg
Max. Load (installation)	2800	2800	4600	5000
Max. Load (installed)	1500	1500	2000	2000
Min. Bend Radius(installation)	350	350	440	500
Min. Bend Radius(installed)	175	175	220	250
Fire Performance	LSZH	LSZH	LSZH	LSZH
Operating Temp.	-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
Installation Temp.	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
Crush Resistance	1500	1500	1500	1500

TRANSMISSION PERFORMANCE

Multimode					
Fiber Core Diameter (µm)	62.5	50	50	50	50
Fiber Category	OM1	OM2	OM3	OM4	OM4 Extended Distance
Fiber Code	K	T	T	T	T
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 Tight Buffered Distribution Multi-Core, LSZH	BSTBMOS2**BL-LSZH	BSTBMOM1**BL-LSZH	BSTBMOM2**BL-LSZH	BSTBMOM3**BL-LSZH	BSTBMOM4**BL-LSZH	BSTBMOM4+**BL-LSZH

** is the fiber count between 36 & 96

NOTE: Other diameters are available upon request.