

# BLACK-STONE Tight Buffered Distribution Cable

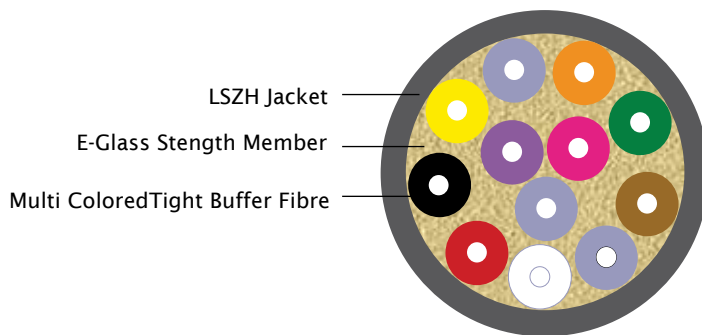


BLACKSTONE tight buffered internal distribution cables are constructed of 900µm buffered fibres surrounded by e-glass strength members jacketed in an LSZH outer jacket.

## FEATUERS

- Tight buffer fibre ease of stripping.
- High strength Aramid yarn strength members for ease of handling
- LSZH jacket
- Colour coded fibres

## STRUCTURE DIAGRAM



## APPLICATION

- Internal cable for installation in trunking, under floor or ceiling spaces
- Fibre backbones in riser and horizontal configurations



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	4-CORE LSZH	8-CORE LSZH	12-CORE LSZH	24-CORE LSZH
Outer Diameter	4.8 ±0.3mm	5.8 ±0.3 mm	6.5 ±0.3mm	7.5 ±0.3mm
Weight	26kg	34kg	40kg	61kg
Max. Load (installation)	600	750	750	900
Max. Load (installed)	300	375	375	450
Min. Bend Radius(installation)	96	116	130	150
Min. Bend Radius(installed)	48	58	65	75
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	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
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 Cable, LSZH	BSTBOS2**BL-LSZH	BSTBOM1 **BL-LSZH	BSTBOM2**BL-LSZH	BSTBOM3**BL-LSZH	BSTBOM4**BL-LSZH	BSTBOM4+**BL-LSZH

\*\* is the fiber count between 4 & 24

NOTE: Other diameters are available upon request.