

BLACK-STONE Single Loose Tube Fiber Optic Cable

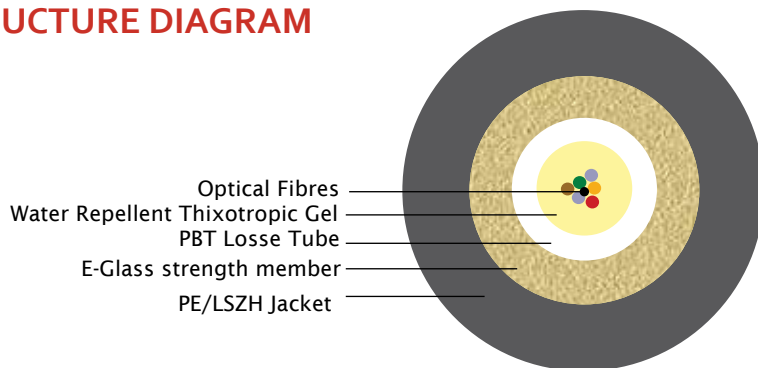


BLACKSTONE 2 to 24 fibre OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-T G.652D) singlemode 250µm single loose tube external duct cables with e-glass strength members and polyethylene (PE) or Low Smoke Zero Halogen (LSZH) jacket. The single loose tube cables consist of 2 to 24, 250µm optical fibres in a single gel filled loose tube with e-glass non metallic strength members and black PE or LSZH jacket with ripcord.

FEATUERS

- Compact 250µm loose tube construction
- E-glass strength members for rodent resistance
- Flame retardant LSZH jacket option for enhanced fire performance
- Colour coded fibres for easy identification

STRUCTURE DIAGRAM



APPLICATION

- Suitable for internal / external duct applications
- Suitable for environments where rodent resistance is requiredz
- Ideal for intra building links in campus environments



Fire Retardant



Internal Use



Installation Temperature Min0°C



Rodent Resistant



Water Resistant



External Use

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

COLOR IDENTIFICATION

NO.	1	2	3	4	5	6
COLOR	Blue	Orange	Green	Brown	Gray	White
NO.	7	8	9	10	11	12
COLOR	Red	Black	Yellow	Violet	Pink	Turquoise

Mechanical Characteristics Cable

DESCRIPTION	2-12 CORE PE	14-24 CORE LSZH
Outer Diameter	6.0 ±0.3 mm	6.0 ±0.3 mm
Weight	40kg	47kg
Max. Load (installation)	1000	1000
Max. Load (installed)	500	500
Min. Bend Radius(installation)	20	20
Min. Bend Radius(installed)	10	10
Fire Performance	PE	LSZH
Operating Temp.	-20~+60 °C	-20~+60 °C
Storage Temp.	-20~+70 °C	-20~+70 °C
Installation Temp.	-20~+60 °C	-20~+60 °C
Crush Resistance	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 Single Loose Tube Fiber Optic Cable, LSZH	BSLTOS2**BL-LSZH	BSLTOM1**BL-LSZH	BSLTOM2**BL-LSZH	BSLTOM3**BL-LSZH	BSLTOM4**BL-LSZH	BSLTOM4+**BL-LSZH
BLACK-STONE Single Loose Tube Fiber Optic Cable, PE	BSLTOS2**BL-PE	BSLTOM1**BL-PE	BSLTOM2**BL-PE	BSLTOM3**BL-PE	BSLTOM4**BL-PE	BSLTOM4+**BL-PE

** is the fiber count between 4 & 24

NOTE: Other diameters are available upon request.