

BLACK-STONE Self-Supporting Bow-Type Drop Cable

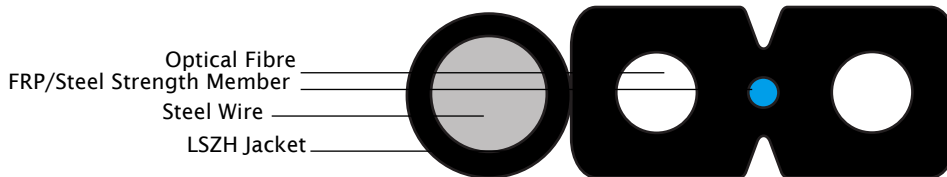


BLACKSTONE optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. A steel wire as the additional strength member is also applied. Then, the cable is completed with a black or color LSZH sheath

FEATUERS

- Special Low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property .
- Two parallel FRP/strength members ensure good performance of crush resistance to protect the fiber
- Simple structure, light weight and high practicability .
- Novel flute design, easily strip and splice, simplify the installation and maintenance .
- Low smoke, zero halogen and flame retardant sheath.

STRUCTURE DIAGRAM



APPLICATION

- Direct burial
- Used in application with high mechanical loads



Rodent Resistant



External Use



Installation Temperature
Min 0°C



Water Resistant

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	1 Core	2 Core
Outer Diameter	7	7
Weight	47	47
Tensile strength (Long term)	30	30
Tensile strength (short term)	60	60
Min. Bend Radius(installation)	15	15
Fire Performance	pe	pe
Operating Temp.	-20° to +60°C	-20° to +60°C
Storage Temp.	-20° to +60°C	-20° to +60°C
Installation 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 Self-Supporting Bow-Type, LSZH	BSBTSSOS2**BL-LZSH	BSBTSSOM1**BL-LZSH	BSBTSSOM2**BL-LZSH	BSBTSSOM3**BL-LZSH	BSBTSSOM4**BL-LZSH	BSBTSSOM4+**BL-LZSH

** is the fiber count