

BLACK-STONE Double Jacket Self-Supporting Bow-Type Drop Cable

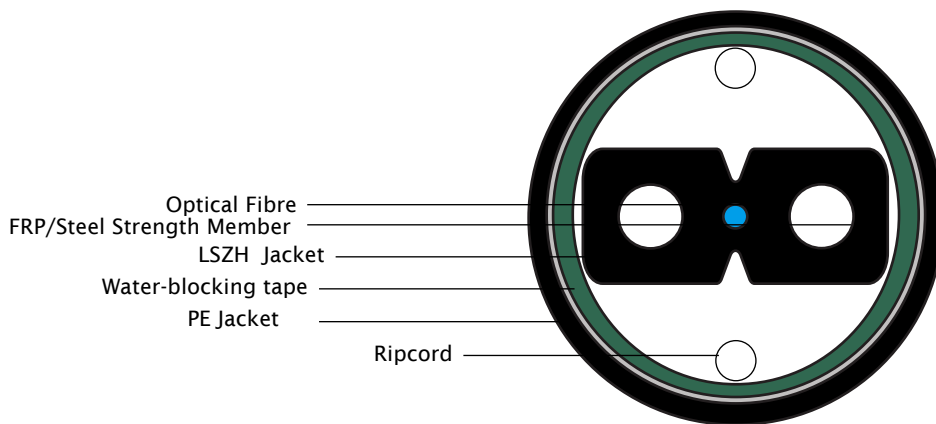


BLACKSTONE optical fiber unit is positioned in the center Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then, the cable is completed with a black or color LSZH sheath.

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.
- APL moisture barrier, PSP enhancing moisture-proof .

STRUCTURE DIAGRAM



APPLICATION

- Direct burial
- Used in application with high mechanical loads

Rodent Resistant

External Use

Installation Temperature
Min0^o

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

Black-stone

Mechanical Characteristics Cable

Description	1 Core	2 Core	4 Core	6 Core	12 Core
Outer Diameter	2.0 x 5.0	2.0 x 5.0	2.0 x 5.1	2.0 x 6.1	2.0 x 6.1
Weight	18.2	18.2	18.5	18.5	18.5
Tensile strength (Long term)	600	600	600	600	600
Tensile strength (short term)	300	300	300	300	300
Min. Bend Radius(installation)	15	15	15	15	15
Fire Performance	PE	PE	PE	PE	PE
Operating Temp.	-20° to +60°C	-20° to +60°C	-20° to +60°C	-20° to +60°C	-20° to +60°C
Storage Temp.	-20° to +60°C	-20° to +60°C	-20° to +60°C	-20° to +60°C	-20° to +60°C
Installation Crush Resistance.	2200	2200	2200	2200	2200

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 Double Jacketed Self-supporting Bow-Type, PE	BSBTSSDOS2**BL-PE	BSBTSSDOM1**BL-PE	BSBTSSDOM2**BL-PE	BSBTSSDOM3**BL-PE	BSBTSSDOM4**BL-PE	BSBTSSDOM4+**BL-PE

** is the fiber count between 1 & 12