

BLACK-STONE Single Loose Tube STA Fiber Optic Cable

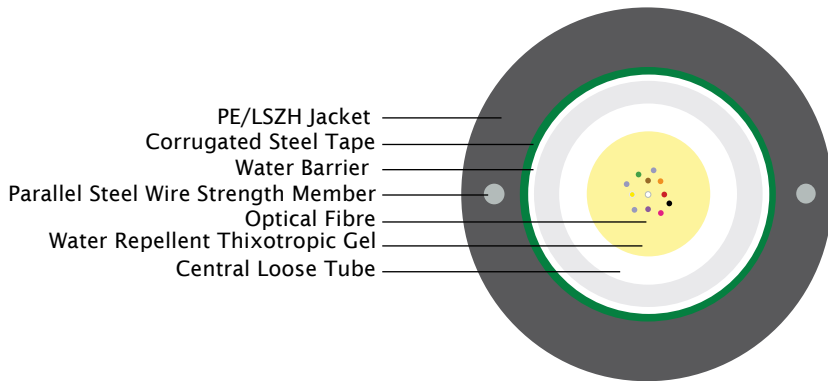


BLACKSTONE single loose tube corrugated steel tape armoured cables are constructed of 250µm fibres held in a gel filled central loose tube surrounded by water-blocking tape and corrugated, polyethylene laminated steel tape. The cable features two parallel steel wire strength members embedded in the PE / LSZH outer jacket.

FEATUERS

- High Crush resistance and flexibility
- High strength loose tube that is hydrolysis resistant
- PE jacket for environmental protection and water permeation resistance
- Flame retardant LSZH jacket option for enhanced fire performance
- Color coded fibers for easy identification
- Good mechanical and temperature performance
- Special tube filling compound ensure a critical protection of fiber
- PSP enhancing moisture-proof
- Two parallel steel wires ensure tensile strength
- Small diameter, light weight and friendly installation

STRUCTURE DIAGRAM



APPLICATION

- Suitable for external applications in ducts, aerial applications or direct burial



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

The color code of the fibers and loose tube will be in identification in accordance with the following color sequence, other color sequence is also available . the color off the filler will be natural .

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	14-24 CORE
Outer Diameter	10.0 ±0.3mm	10.7 ±0.3mm
Weight	106kg	122kg
Max. Load (installation)	1500	1500
Max. Load (installed)	600	600
Min. Bend Radius(installation)	20	20
Min. Bend Radius(installed)	10	10
Fire Performance	LSZH	LSZH
Operating Temp.	-20~+60 °C	-20~+60 °C
Storage Temp.	-20~+60 °C	-20~+60 °C
Installation Temp.	-20~+60 °C	-20~+60 °C
Crush Resistance	2000	2000

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 Single Loose Tube, 4 Fiber count, PE	BSCF-S-4C-PE	BSCF-OM1-4C-PE	BSCF-OM2-4C-PE	BSCF-OM3-4C-PE	BSCF-OM4-4C-PE	BSCF-OM4-4C-PE
BLACK-STONE Single Loose Tube, 4 Fiber count, LSZH	BSCF-S-4C-LSZH	BSCF-OM1-4C-LSZH	BSCF-OM2-4C-LSZH	BSCF-OM3-4C-LSZH	BSCF-OM4-4C-LSZH	BSCF-OM4-4C-LSZH
BLACK-STONE Single Loose Tube, 8 Fiber count, PE	BSCF-S-8C-PE	BSCF-OM1-8C-PE	BSCF-OM2-8C-PE	BSCF-OM3-8C-PE	BSCF-OM4-8C-PE	BSCF-OM4-8C-PE
BLACK-STONE Single Loose Tube, 8 Fiber count, LSZH	BSCF-S-8C-LSZH	BSCF-OM1-8C-LSZH	BSCF-OM2-8C-LSZH	BSCF-OM3-8C-LSZH	BSCF-OM4-8C-LSZH	BSCF-OM4-8C-LSZH
BLACK-STONE Single Loose Tube, 12 Fiber count, PE	BSCF-S-12C-PE	BSCF-OM1-12C-PE	BSCF-OM2-12C-PE	BSCF-OM3-12C-PE	BSCF-OM4-12C-PE	BSCF-OM4-12C-PE
BLACK-STONE Single Loose Tube, 12 Fiber count, LSZH	BSCF-S-12C-LSZH	BSCF-OM1-12C-LSZH	BSCF-OM2-12C-LSZH	BSCF-W-12C	BSCF-OM4-12C-LSZH	BSCF-OM4-12C-LSZH
BLACK-STONE Single Loose Tube, 24 Fiber count, PE	BSCF-S-24C-PE	BSCF-OM2-24C-PE	BSCF-OM2-24C-PE	BSCF-OM3-24C-PE	BSCF-OM4-24C-PE	BSCF-OM4-24C-PE
BLACK-STONE Single Loose Tube, 24 Fiber count, LSZH	BSCF-S-24C-LSZH	BSCF-OM2-24C-LSZH	BSCF-OM2-24C-LSZH	BSCF-OM3-24C-LSZH	BSCF-OM4-24C-LSZH	BSCF-OM4-24C-LSZH

NOTE: Other diameters are available upon request.