

BLACK-STONE Dry Core Blowing Cable

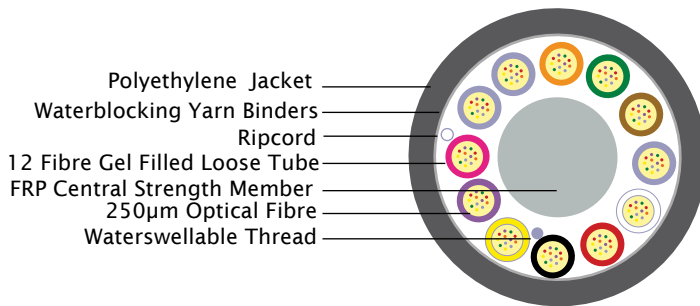


BLACKSTONE 6, 8 & 12 element cable designs, consisting of up to 144, 250µm ITU-T G.652D individually coloured optical fibres in 12 fibre polymeric gel filled loose tubes, SZ stranded around an FRP central strength member with waterswellable thread, waterswellable core binders and polyethylene or nylon (polyamide) final jacket with ripcord.

FEATUERS

- Compact construction offering minimised cable diameter
- Designed specifically for external air blown duct applications
- All dielectric construction with nylon jacket option for reduced installation friction
- FRP central strength member providing high tensile strength and kink resistance
- SZ reverse oscillated stranding for easy installation
- Black polyethylene or PA outer jacket for resistance to the environment
- Waterswellable dry core construction for ease of installation

STRUCTURE DIAGRAM



APPLICATION

- For use in external compact ducts by air blowing



Fire Retardant



Internal Use



Installation Temperature Min 0°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

SPECIFICATION

DESCRIPTION	6 Tube Elements	8 Tube Elements	12 Tube Elements
Max. Fiber count	12 to 72	96	144
Outer Diameter	5.6mm	6.4mm	8.2mm
Weight	27kg	40kg	65kg
Tensile Rating (long & short term)	500/250	1200/600	1500/750
Crush Loads (long & short term)	800/400	800/400	800/400

Mechanical Characteristics Cable

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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
BLACK-STONE Dry Core Blowing Cable, PE	BSDCBOS2**OR-PE

** is the fiber count between 12 & 144