

BLACK-STONE Dry Single Loose Tube

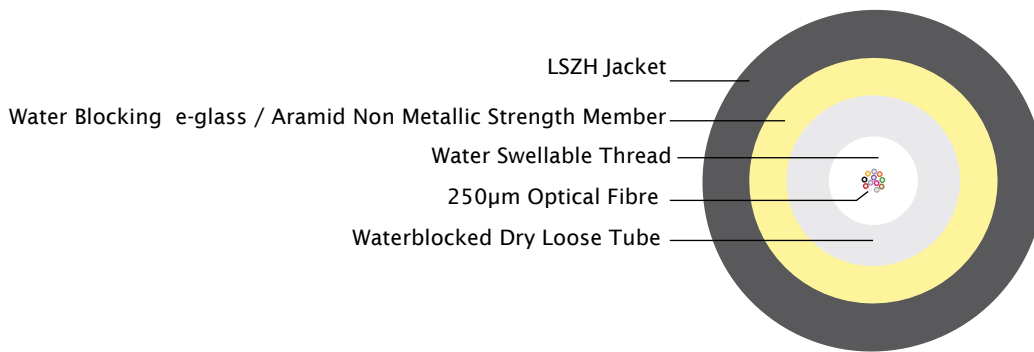


BLACKSTONE the indoor/outdoor single loose tube cables consist of 2 to 24, 250 µm individually coloured optical fibres in a single waterblocked dry loose tube with helically applied waterblocking rodent resistant e-glass or aramid non metallic strength members and Low Smoke Zero Halogen (LSZH) jacket.

FEATUERS

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

STRUCTURE DIAGRAM



APPLICATION

- Ideal for internal/external duct applications
- Suitable for one or both end pre termination



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

JACKET COLOR

- OS2 (YELLOW)
- OM1 (ORANGE)
- OM2 (ORANGE)
- OM3 (AQUA)
- OM4 (AQUA)
- OM5 (GREEN)

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	2-24 CORE Aramid	2-24 CORE E-glass
Outer Diameter	6.4 ±0.3mm	6.4 ±0.3mm
Weight	48kg	50kg
Max. Load (installation)	1000	1000
Max. Load (installed)	500	500
Min. Bend Radius(installation)	130	130
Min. Bend Radius(installed)	65	65
Fire Performance	LSZH	LSZH
Operating Temp.	-20~+60 °C	-20~+70 °C
Storage Temp.	-20~+60 °C	-20~+70 °C
Installation Temp.	-20~+60 °C	-20~+70 °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
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 dry loose tube aramid, LSZH	BSDLTOS2A**YL-LSZH	BSDLTOM1A**OR-LSZH	BSDLTOM2A**OR-LSZH	BSDLTOM3A**AQ-LSZH	BSDLTOM4A**AQ-LSZH	BSDLTOM4+A**AQ-LSZH
BLACK-STONE Single dry loose tube, LSZH	BSDLTOS2**YL-LSZH	BSDLTOM1**OR-LSZH	BSDLTOM2**OR-LSZH	BSDLTOM3**AQ-LSZH	BSDLTOM4**AQ-LSZH	BSDLTOM4+**AQ-LSZH

** is the fiber count between 2 & 24

NOTE: Other diameters are available upon request.