

# BLACK-STONE Simplex Fiber Optic Patch Cable

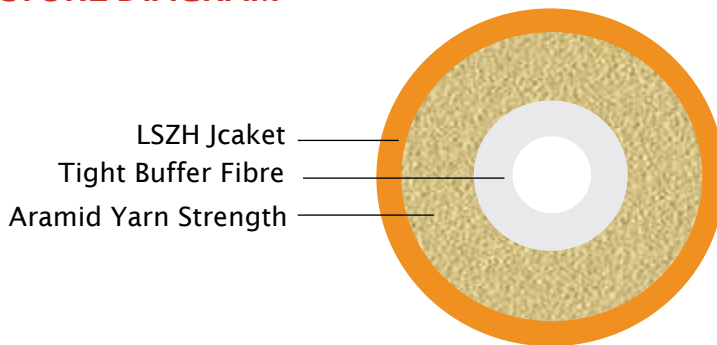


BLACKSTONE SXC simplex cable use single 900µm or 600µm flame retardant tight buffer fiber as optical communication medium, the tight buffer fiber wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a PVC or LSZH (Low smoke Zero halogen Flame-retardant) jacket.

## FEATUERS

- Tight buffer fibre ease of stripping.
- Tight buffer fibre have excellent flame-retardant performance
- The jacket anti-corrosion, anti-wat
- Aramid yarn as strength member make cable have excellent tensible strength .

## STRUCTURE DIAGRAM



## APPLICATION

- The cable is suitable for use with industry standard connetors and can be easily made into a patchcord , Pigtails and Internal inter-connections.
- Indoor riser level and plenum level cable distribution.
- Interconnect between instrument communication equipments.



Fire Retardant



Internal Use



Installation Temperature Min0°C

## 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) ●

### Mechanical Characteristics Cable

DESCRIPTION	1-CORE LSZH	1-CORE LSZH	1-CORE LSZH	1-CORE LSZH	1-CORE LSZH
Outer Diameter	1.6mm	1.8mm	2.0mm	2.4mm	3.0mm
Weight	2.9kg	3.2kg	3.5kg	5.0kg	6.8kg
Max. Load (installation)	80	80	100	100	150
Max. Load (installed)	40	40	60	60	80
Min. Bend Radius(installation)	20	20	20	20	20
Min. Bend Radius(installed)	10	10	10	10	10
Fire Performance	LSZH	LSZH	LSZH	LSZH	LSZH
Operating Temp.	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
Storage Temp.	-20~+70 °C	-20~+70 °C	-20~+70 °C	-20~+70 °C	-20~+70 °C
Installation Temp.	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
Crush Resistance	500	500	500	500	500

### 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 Simplex 1 Fiber count, LSZH	BSSFOS2YL-LSZH	BSSFOM1OR-LSZH	BSSFOM2OR-LSZH	BSSFOM3AQ-LSZH	BSSFOM4AQ-LSZH	BSSFOM4+AQ-LSZH

NOTE: Other diameters are available upon request.