

# BLACK-STONE Flat Ribbon Fiber Optic Patch Cable

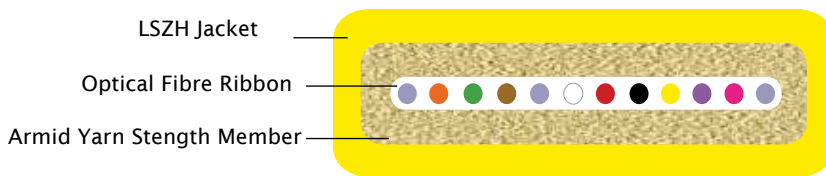


BLACKSTONE Flat Ribbon Fiber optic patch cable is constructed with 4-12 ribbonised optical fibres protected by soft aramid yarns and an LSZH jacket. Ideal for use in office LAN connections, patchcords and internal point-to-point links where frequent handling is likely (e.g. data cabinets, equipment rooms, user outlets).

## FEATUERS

- Tight buffer fibre ease of stripping.
- High strength Aramid yarn strength members for ease of handling
- LSZH jacket
- The jacket anti-corrosion, anti-water, anti-ultra-radiation, flame-retardant and harmless to environment etc .

## STRUCTURE DIAGRAM



## APPLICATION

- 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)



## COLOR IDENTIFICATION

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	4-CORE LSZH	6-CORE LSZH	8-CORE LSZH	12-CORE LSZH
Outer Diameter	3.5*2.5mm	3.8*2.5mm	4.5*2.5mm	5.0*2.5mm
Weight	14kg	15kg	17kg	19kg
Max. Load (installation)	200	200	200	200
Max. Load (installed)	80	80	80	80
Min. Bend Radius(installation)	35	35	35	35
Min. Bend Radius(installed)	25	25	25	25
Fire Performance	LSZH	LSZH	LSZH	LSZH
Operating Temp.	-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
Installation Temp.	-20~+60 °C	-20~+60 °C	-20~+60 °C	-20~+60 °C
Crush Resistance	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 Flat Ribbon, LSZH	BSFROS2**YL-LSZH	BSFROS2**OR-LSZH	BSFROM2**OR-LSZH	BSFROM3**AQ-LSZH	BSFROM4**AQ-LSZH	BSFROM4+**AQ-LSZH

\*\* is the fiber count between 4 & 12

NOTE: Other diameters are available upon request.