

# BLACK-STONE Round Duplex Fiber Optic Patch Cable

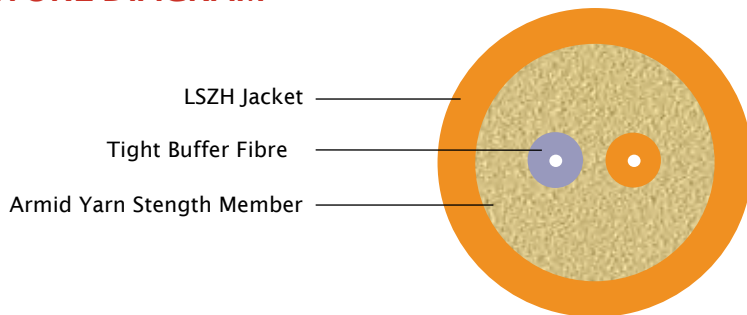


BLACKSTONE Round Duplex fibre optic patch cable is constructed with two tight buffered fibres protected by aramid yarns and an LSZH jacket. Ideal for use in office LAN connections, patchcords, pigtailed and internal point-to-point links where frequent handling is likely (e.g. data cabinets, equipment rooms, user outlets). Utilising 600µm or 900µm buffered fibre, the cable unit is suitable for use with industry standard connectors and can be easily made into a patchcord.

## 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

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



Fire Retardant



Internal Use



Installation Temperature Min 0°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	2-CORE LSZH	2-CORE LSZH
Outer Diameter	3.0 mm	5.0mm
Weight	8kg	20.9 kg
Max. Load (installation)	190	160
Max. Load (installed)	80	80
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~+70 °C	-20~+70 °C
Installation Temp.	-20~+60 °C	-20~+60 °C
Crush Resistance	1000	1000

## 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 Round Duplex 2 Fiber count, LSZH	BSRDOS2YL-LSZH	BSRDOM1OR-LSZH	BSRDOM2OR-LSZH	BSRDOM3AQ-LSZH	BSRDOM4AQ-LSZH	BSRDOM4+AQ-LSZH

NOTE: Other diameters are available upon request.