

# BLACK-STONE Premium Multi Purpose Distribution Cable

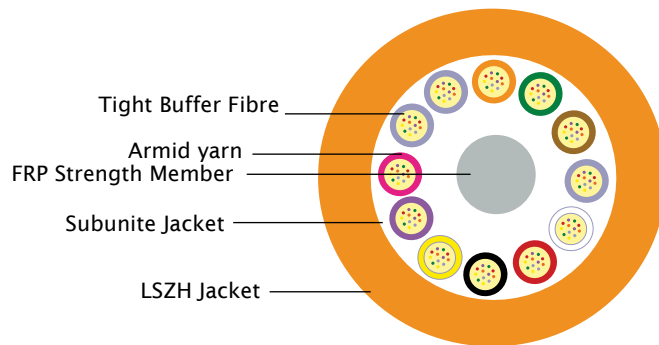


BLACKSTONE Multi-purpose wiring optical cable uses multi-core sub-units (CD900um tight-buffered optical fiber, aramid fiber reinforced components), non-metallic central reinforced core, optical cable sub-units are layered on the central reinforced core to form a cable core, and the outermost layer is extruded with low smoke and no smoke. It is sheathed with halogen material (LSZH, low smoke, halogen free, flame retardant).

## FEATUERS

- Compact structure with high fibre capacity and density.
- The jacket anti-corrosion, anti-water and anti-ultra violet radiation.
- flame-retardant and harmless to environment etc.
- All dielectric structure protect it from electromagnetic influence.
- Scientific design with serious processing art.
- Stranded non-metallic strength member structure ensure the cable endure larger tensile strength.

## STRUCTURE DIAGRAM



## APPLICATION

- Indoor any purpose cable distribution.
- Backbone distribution cable in a building.



Fire Retardant



Internal Use



Installation Tempreture 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	24 Core	30 Core	36 Core	48 Core	60 Core	72 Core	96 Core
Outer Diameter	10.40±0.5	12.40±0.5	13.50±0.5	15.70±0.5	18.0±0.5	20.50±0.5	20.50±0.5
Weight	96	149	185	265	350	440	448
Tensile strength (Long term)	400	400	400	400	400	400	400
Tensile strength (Short term)	1320	1320	1320	1320	1320	1320	1320
Bending Radius	20	20	20	20	20	20	20
Crush Resistance.	1000	1000	1000	1000	1000	1000	1000
Operating Temp.	- 20°C~ + 60°C	- 20°C~ + 60°C	- 20°C~ + 60°C	- 20°C~ + 60°C	- 20°C~ + 60°C	- 20°C~ + 60°C	- 20°C~ + 60°C
Installation Temp.	- 5°C~ + 50°C	- 5°C~ + 50°C	- 5°C~ + 50°C	- 5°C~ + 50°C	- 5°C~ + 50°C	- 5°C~ + 50°C	- 5°C~ + 50°C

## 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 Premium Multi-Purpose Distribution -Type, LSZH	BSMPDOS2**YL-LSZH	BSMPDOM1**OR-LSZH	BSMPDOM2**OR-LSZH	BSMPDOM3**AQ-LSZH	BSMPDOM4**AQ-LSZH	BSMPDOM4+**AQ-LSZH

\*\* is the fiber count

NOTE: Other diameters are available upon request.