

BLACK-STONE Tight Buffered Cable



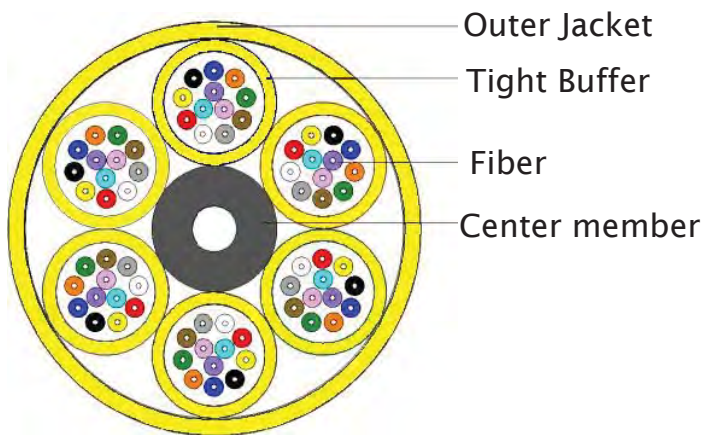
DISCRIPTION

BLACK-STONE Tight Buffered cables are available in fiber counts from 2 to 144. These highly popular cables are designed for both indoor & indoor/outdoor applications. Distribution cables are available in plenum, riser, unitized & non-unitized constructions which fit a wide array of general purpose installations. Their small bend radius and 900µm tight- buffered fibers allow for fast installations and easy terminations.

FEATURES

- Tight buffer fiber ease of stripping
- High strength Aramid yarn strength members for ease of handling
- PVC jacket and available in LSZH
- Colour coded fibers

STRUCTURE DIAGRAM



APPLICATION

- Internal cable for installation in trunking, under floor or ceiling spaces
- Internal cable for installation in trunking, under floor or ceiling spaces



Rodent Resistant



External Use



Installation Temperature Min0°C



Water Resistant



Internal Use

SPECIFICATION

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

Black-stone

Mechanical Characteristics Cable

DESCRIPTION	2-CORE	4-CORE	6-CORE	12-CORE	24-CORE
Outer Diameter	0.184 mm	0.200 mm	0.220 mm	0.260 mm	0.325mm
Weight	14kg	17kg	20 kg	27kg	42kg
Max. Load (installation)	150N	150N	150N	150N	300N
Max. Load (installed)	45N	45N	45N	45N	90N
Min. Bend Radius(installation)	10X Cable OD	10X Cable OD	10X Cable OD	10X Cable OD	10X Cable OD
Min. Bend Radius(installed)	15X Cable OD	15X Cable OD	15X Cable OD	15X Cable OD	15X Cable OD
Outer Jacket	PVC	PVC	PVC	PVC	PVC
Operating Temp.	0°C to +70°C	0°C to +70°C	0°C to +70°C	0°C to +70°C	0°C to +70°C
Storage Temp.	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Installation Temp.	0°C to +60°C	0°C to +60°C	0°C to +60°C	0°C to +60°C	0°C to +60°C
Crush Resistance	1000	1000	1000	1000	1000

DESCRIPTION	24-CORE	36-CORE	48-CORE	72-CORE	96-CORE	144-CORE
Outer Diameter	0.538 mm	0.664 mm	0.664 mm	0.799 mm	0.953 mm	1.076mm
Weight	86kg	149kg	147 kg	223 kg	320 kg	357 kg
Max. Load (installation)	600N	600N	600N	600N	600N	600N
Max. Load (installed)	180N	180N	180N	180N	180N	180N
Min. Bend Radius(installation)	10X Cable OD	10X Cable OD	10X Cable OD	10X Cable OD	10X Cable OD	10X Cable OD
Min. Bend Radius(installed)	15X Cable OD	15X Cable OD	15X Cable OD	15X Cable OD	15X Cable OD	15X Cable OD
Outer Jacket	PVC	PVC	PVC	PVC	PVC	PVC
Operating Temp.	0°C to +70°C	0°C to +70°C	0°C to +70°C	0°C to +70°C	0°C to +70°C	0°C to +70°C
Storage Temp.	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Installation Temp.	0°C to +60°C	0°C to +60°C	0°C to +60°C	0°C to +60°C	0°C to +60°C	0°C to +60°C
Crush Resistance	1000	1000	1000	1000	1000	1000

TRANSMISSION PERFORMANCE

Multimode					
Fiber Core Diameter (µm)	62.5	50	50	50	50
Fiber Category	OM1	OM2	OM3	OM4	OM5
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0
Serial 1 Gigabit Ethernet (m)	300/550	1000/550	1100/550	1100/550	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	OM5
BLACK-STONE Tight Buffered Distribution Cable, PVC	BSIF-TB-**C-SM**	BSIF-TB-**C-OM1**	BSIF-TB-**C-OM2**	BSIF-TB-**C-OM3**	BSIF-TB-**C-OM4**	BSIF-TB-**C-OM5**

** is the fiber count between 2 & 144