

# Tight Buffer Breakout Plenum Cable

Type OFNP, CSA FT6

## Product Construction:

### Fiber:

- 2–48 fibers
- 900 µm white tight buffer
- 2.4 mm jacketed sub-units, with overall jacket color coding

### Central Strength Member:

- Aramid fiber yarn
- Optional epoxy glass rod (B1D)

### Overall Strength Member:

- Aramid fiber yarn

### Jacket:

- PVDF flame-retardant
- Sequential footage markings\*
- Orange jacket—multimode fibers (except 10 Gbps)
- Aqua jacket—10 Gbps multimode fibers
- Yellow jacket—singlemode fibers

### Features:

- Rugged individual fiber protection
- Easily terminated with fiber sub-units
- Heavy-duty premises applications
- Sub-units are numbered for identification

### Performance:

- Temperature:
  - Storage -40°C (-40°F) to +70°C (+158°F)
  - Installation 0°C (+32°F) to +50°C (+122°F)
  - Operating -20°C (-4°F) to +70°C (+158°F)
- Minimum Bend Radius:
  - 20 X OD—Installation
  - 10 X OD—In-Service
- Maximum Crush Resistance:
  - 850 lbs/in (1485 N/cm)
- Maximum Vertical Rise—1,640 ft (500 m)

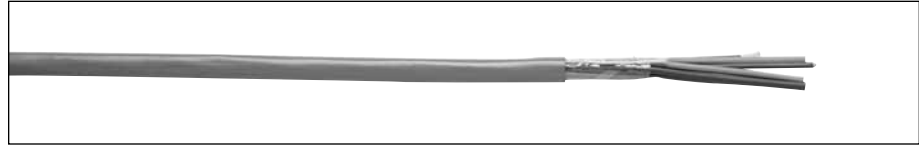
### Applications:

- Intrabuilding voice or data communication backbones
- ETL Listed Type OFNP for installation in ducts, plenums and other spaces used as environmental air returns when installed in accordance with NEC article 770-51 (a) and 770-53 (a)

### Compliances:

- ETL and c(ETL) Listed Type OFNP
- CSA FT6
- ANSI/TIA/EIA 568 B.3
- ICEA S-83-596
- RoHS Compliant Directive 2002/95/EC

\*Sequential meter markings available upon request

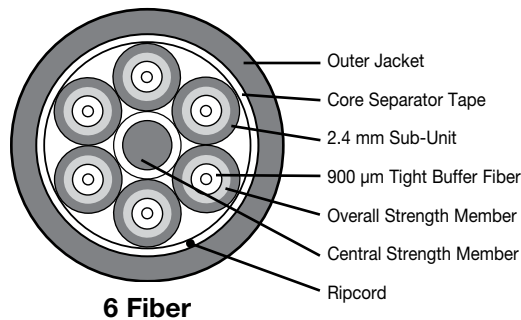


CATALOG NUMBER	FIBER COUNT	NO. OF SUB-UNITS	NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		MAXIMUM TENSILE LOAD			
			IN	mm	LBS/1000'	kg/km	INSTALLATION		IN-SERVICE	
							LBS	N	LBS	N
XX0021B3D	2	2	0.24	6	27	40	270	1200	110	490
XX0041B3D	4	4	0.28	7	33	49	450	2000	180	800
XX0061B3D	6	6	0.34	9	50	74	450	2000	180	800
XX0081B3D	8	8	0.40	10	72	107	600	2670	200	890
XX0121B3D	12	12	0.44	11	76	113	790	3515	270	1200
XX0181B3D	18	18	0.54	14	122	181	1000	4450	400	1780
XX0241B3D	24	24	0.63	16	171	254	1230	5470	450	2000
XX0361B3D	36	36	0.73	19	209	311	2000	8896	600	2669
XX0481B3D	48	48	0.84	21	261	388	2600	11565	780	3470

XX denotes glass type.

A complete listing of NextGen® Brand glass types is specified on page 3 of this catalog.

## Typical Cross-Section



6 Fiber

Hybrid designs (containing singlemode and multimode fiber) and composite designs (containing copper conductors) are also available.

## Ordering Part Number Example

**CG0121B3D**

62.5 mm multimode, 12 fibers, tight buffer breakout plenum

Please see pages 4 and 5 for a complete guide on part number selection and ordering information.