

# Tight Buffer Distribution Riser Cable

Type OFNR, CSA FT4

**Product Construction:**

**Fiber:**

- 2–144 fibers
- 900 μm tight buffer
- Color-coding per TIA/EIA 598 B

**Central Strength Member:**

- Epoxy/glass rod (P1R)

**Overall Strength Member:**

- Aramid fiber yarn

**Jacket:**

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

**Features:**

- Lightweight, flexible design simplifies installation
- Tight buffer provides individual fiber protection
- Tight buffered fibers are easy to handle and strip for field connectorization
- 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 OFNR for installation in vertical riser and general horizontal applications when installed in accordance with NEC article 770.154 and 770.179

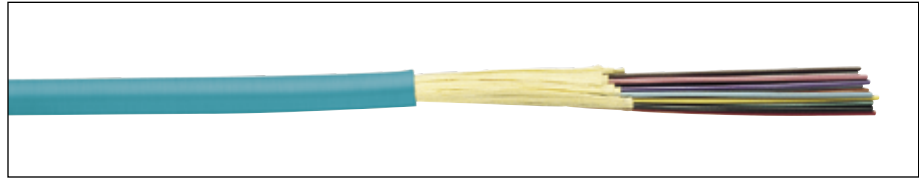
**Compliances:**

- ETL Listed Type OFNR
- CSA FT4
- TIA 568 C.3
- ICEA S-83-596
- GR-409
- RoHS Compliant Directive 2011/65/EU

**Option:**

- Ripcord available on PNRs, comes as standard on P1Rs

\*Sequential meter markings available upon request

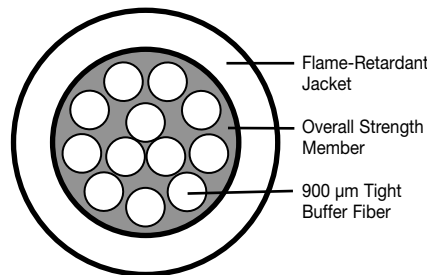


CATALOG NUMBER	FIBER COUNT	NO. OF SUB-UNITS	NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		MAXIMUM TENSILE LOAD			
			IN	mm	LBS/1000'	kg/km	INSTALLATION		IN-SERVICE	
							LBS	N	LBS	N
XX0021PNR	2	—	0.19	5	14	20	225	1000	65	290
XX0041PNR	4	—	0.20	5	16	23	225	1000	65	290
XX0061PNR	6	—	0.20	5	18	27	225	1000	65	290
XX0081PNR	8	—	0.22	6	20	30	245	1090	70	310
XX0101PNR	10	—	0.24	6	23	34	320	1425	112	500
XX0121PNR	12	—	0.25	6	24	36	320	1425	112	500
XX0181P1R	18	3	0.46	12	76	113	600	2670	200	890
XX0181PNR	18	—	0.33	8	45	67	320	1425	112	500
XX0241P1R	24	4	0.52	13	84	125	800	3560	270	1201
XX0241PNR	24	—	0.34	9	47	70	320	1425	112	500
XX0361P1R	36	6	0.65	17	152	226	1000	4448	335	1490
XX0481P1R	48	4	0.63	16	133	197	1000	4448	335	1490
XX0601P1R	60	5	0.69	17	155	231	1200	5338	400	1780
XX0721P1R	72	6	0.76	19	202	301	1500	6672	500	2224
XX0961P1R	96	8	0.89	23	289	430	2000	8896	670	2980
XX1201P1R	120	10	1.00	25	297	442	3000	13345	1000	4448
XX1441P1R	144	12	1.00	25	304	452	3000	13345	1000	4448

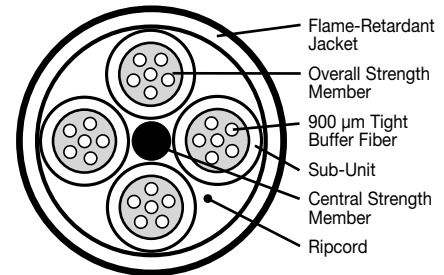
XX denotes glass type.

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

**Typical Cross-Sections**



PNR ≤ 24 Fiber



P1R ≥ 18 Fiber

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

**Ordering Part Number Example**

**BE0241PNR or BE0241P1R**

50 μm multimode, 24 fibers, tight buffer distribution riser

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