

# Tight Buffer Distribution Interlock Armored Riser Cable

Type OFCR, CSA FT4

## Product Construction:

### Fiber:

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

### Overall Strength Member:

- Aramid fiber yarn

### Inner Jacket:

- Flame-retardant compound

### Armor:

- Interlock aluminum (-ILRA)

### Outer 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:

- Interlock armor provides outstanding mechanical protection
- Interlock armor is flexible and easy to use
- Tight buffer provides individual fiber protection
- 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:
  - 1,500 lbs/in (2,627 N/cm)

## Applications:

- Harsh premises environments requiring heavy-duty protection
- ETL Type OFCR for installation in any premises location when installed in accordance with NEC article 770-51 (b) and 770-53 (b)

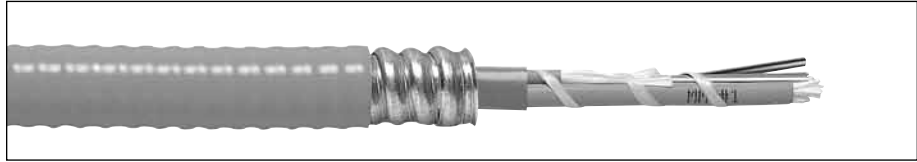
## Compliances:

- ETL Listed Type OFCR
- CSA FT4

## Note:

Armored cable without an outer jacket available upon request (-IL)

\*Sequential meter markings available upon request

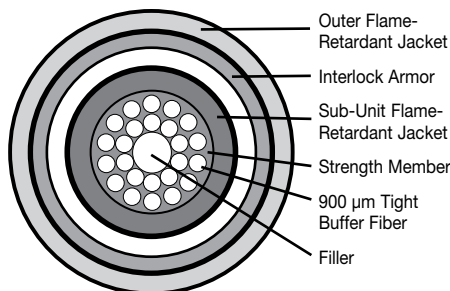


CATALOG NUMBER	FIBER COUNT	NO. OF SUB-UNITS	NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		MAXIMUM TENSILE LOAD				
			IN	mm	LBS/1000'	kg/km	INSTALLATION		IN-SERVICE		
								LBS	N	LBS	N
XX0021PNR-ILRA	2	—	0.52	13.1	85	126	550	2447	165	734	
XX0041PNR-ILRA	4	—	0.57	14.4	95	141	550	2447	165	734	
XX0061PNR-ILRA	6	—	0.57	14.4	98	146	550	2447	165	734	
XX0121PNR-ILRA	12	—	0.57	14.4	104	155	550	2447	165	734	
XX0241PNR-ILRA	24	—	0.67	16.9	144	214	550	2447	165	734	
XX0241P1R-ILRA	24	4	0.87	22.0	238	354	1000	4448	300	1334	
XX0361P1R-ILRA	36	6	0.99	25.1	360	536	1000	4448	300	1334	
XX0481P1R-ILRA	48	4	0.99	25.1	330	491	1000	4448	300	1334	
XX0601P1R-ILRA	60	5	1.04	26.4	364	542	1000	4448	300	1334	
XX0721P1R-ILRA	72	6	1.09	27.7	422	628	1000	4448	300	1334	
XX0961P1R-ILRA	96	8	1.24	31.5	543	808	1000	4448	335	1490	
XX1201P1R-ILRA	120	10	1.39	35.3	584	869	1000	4448	335	1490	
XX1441P1R-ILRA	144	12	1.39	35.3	555	826	1000	4448	335	1490	

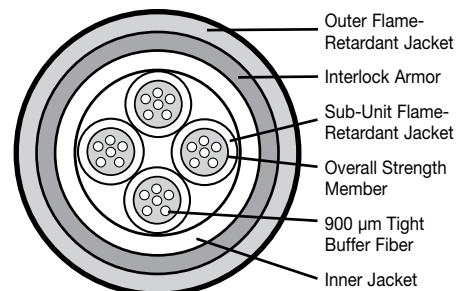
XX Denotes glass type.

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

## Typical Cross-Sections



PNR-ILRA ≤ 24 Fiber



P1R-ILRA ≥ 24 Fiber

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

## Ordering Part Number Example

**CG0241PNR-ILRA or CG0241PNR-ILRA**

62.5 mm multimode, 24 fibers, tight buffer distribution interlock armor riser  
Please see pages 4 and 5 for a complete guide on part number selection and ordering information.