

# 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 770.154 and 770.179

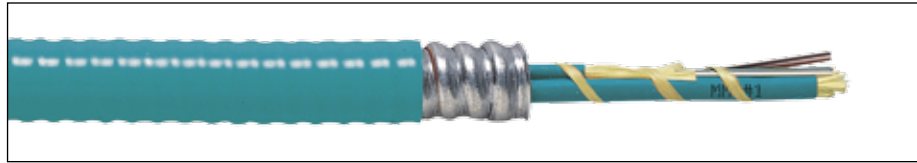
**Compliances:**

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

**Note:**

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

\*Sequential meter markings available upon request

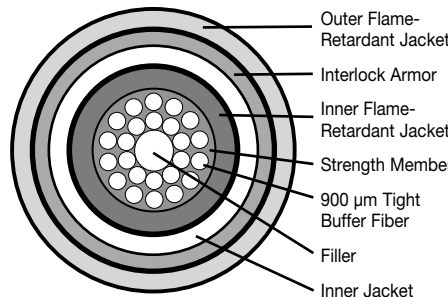


| CATALOG NUMBER | FIBER COUNT | NO. OF SUB-UNITS | NOMINAL CABLE DIAMETER |    | NOMINAL CABLE WEIGHT |       | MAXIMUM TENSILE LOAD |      |            |      |   |
|----------------|-------------|------------------|------------------------|----|----------------------|-------|----------------------|------|------------|------|---|
|                |             |                  | IN                     | mm | LBS/1000'            | kg/km | INSTALLATION         |      | IN-SERVICE |      |   |
|                |             |                  |                        |    |                      |       |                      | LBS  | N          | LBS  | N |
| XX0021PNR-ILRA | 2           | —                | 0.52                   | 13 | 85                   | 126   | 550                  | 2447 | 165        | 734  |   |
| XX0041PNR-ILRA | 4           | —                | 0.53                   | 14 | 91                   | 136   | 550                  | 2447 | 165        | 734  |   |
| XX0061PNR-ILRA | 6           | —                | 0.53                   | 14 | 94                   | 140   | 550                  | 2447 | 165        | 734  |   |
| XX0121PNR-ILRA | 12          | —                | 0.53                   | 14 | 100                  | 149   | 550                  | 2447 | 165        | 734  |   |
| XX0241PNR-ILRA | 24          | —                | 0.67                   | 17 | 144                  | 214   | 550                  | 2447 | 165        | 734  |   |
| XX0241P1R-ILRA | 24          | 4                | 0.87                   | 22 | 238                  | 354   | 1000                 | 4448 | 300        | 1334 |   |
| XX0361P1R-ILRA | 36          | 6                | 0.99                   | 25 | 360                  | 536   | 1000                 | 4448 | 300        | 1334 |   |
| XX0481P1R-ILRA | 48          | 4                | 0.99                   | 25 | 330                  | 491   | 1000                 | 4448 | 300        | 1334 |   |
| XX0601P1R-ILRA | 60          | 5                | 1.04                   | 26 | 364                  | 542   | 1000                 | 4448 | 300        | 1334 |   |
| XX0721P1R-ILRA | 72          | 6                | 1.09                   | 28 | 422                  | 628   | 1000                 | 4448 | 300        | 1334 |   |
| XX0961P1R-ILRA | 96          | 8                | 1.24                   | 32 | 543                  | 808   | 1000                 | 4448 | 335        | 1490 |   |
| XX1201P1R-ILRA | 120         | 10               | 1.39                   | 35 | 584                  | 826   | 1000                 | 4448 | 335        | 1490 |   |
| XX1441P1R-ILRA | 144         | 12               | 1.39                   | 35 | 555                  | 869   | 1000                 | 4448 | 335        | 1490 |   |

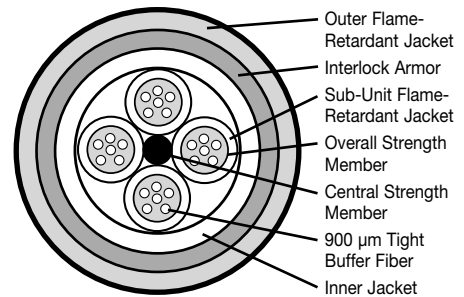
XX Denotes glass type.

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**

**BE0241PNR-ILRA or BE0241P1R-ILRA**

50 μm 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.