

Multi-Unit Circular Premise Cable

Multi-Unit Circular Premise Cables are for use in applications requiring fiber counts between 18 and 144 fibers. Unitized construction allows for ease of fiber identification and rapid installation.

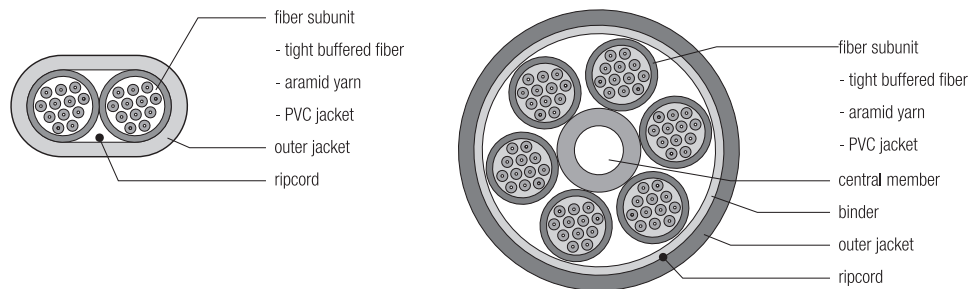
Applications

- Head-end termination to a fiber "backbone"
- Termination of fiber rack systems
- Multi-floor deployment where select fibers are used at each floor
- Intrabuilding "backbones"

Features

- Tested to meet or exceed EIA/TIA 568-A / GR-409-CORE
- Compliant to Directive 2002/95/EC (RoHS)
- Hybrid constructions are available

Cable Components



Temperature Specifications

| | TEMPERATURE RANGE | |
|--------------|-------------------|----------------|
| | PLENUM | RISER |
| INSTALLATION | 0°C to +70°C | -20°C to +70°C |
| OPERATING | 0°C to +70°C | -20°C to +70°C |
| STORAGE | -40°C to +75°C | -40°C to +75°C |

Fiber Specifications

| CORE SIZE/ FIBER TYPE | ISO/ IEC | MAXIMUM ATTENUATION (DB/KM) | | | OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM) | | EMB _c (MHZ•KM) | GIGABIT ETHERNET MIN. LINK DISTANCE (METERS) | | 10 GIGABIT ETHERNET MIN. LINK DISTANCE (METERS) | |
|------------------------------|-------------|--------------------------------|---------|---------|--|---------|------------------------------|--|---------|---|---------|
| | | 850 NM | 1300 NM | 1550 NM | 850 NM | 1300 NM | | 850 NM | 1300 NM | 850 NM | 1300 NM |
| (6) 62.5 Giga-Link™ 300 | OM1 | 3.5 | 1.2 | N/A | 200 | 600 | N/A | 300 | 550 | 32 | — |
| (5) 50 Giga-Link™ 600 | OM2 | 3.5 | 1.5 | N/A | 500 | 500 | N/A | 600 | 600 | 82 | — |
| (A) 50 Laser-Link 150 | OM2 | 3.0 | 1.2 | N/A | 700 | 500 | 950 | 800 | 550 | 150 | — |
| (L) 50 Laser-Link 300 | OM3 | 3.0 | 1.2 | N/A | 1500 | 500 | 2000 | 1000 | 550 | 300 | — |
| (C) 50 Laser-Link 550 | OM4 | 3.0 | 1.2 | N/A | 3500 | 550 | 4700 | 1040 | 550 | 550 | — |
| (K) AFL G.657.A1 Single-mode | OS2 | N/A | 0.5 | 0.5 | N/A | N/A | N/A | N/A | 5000 | N/A | 10,000 |
| (9) SM | OS2 | N/A | 0.5 | 0.5 | N/A | N/A | N/A | N/A | 5,000 | N/A | 10,000 |



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Mechanical Data

| CABLE TYPE | AFL NO. | | FIBER COUNT | NOMINAL DIAMETER INCHES (MM) | WEIGHT | | TENSION | | BENDING RADIUS | |
|----------------------------|--------------|--------------|-------------|---------------------------------|--------------------|--------------------|--------------|-----------|----------------|-------------|
| | RISER | PLENUM | | | RISER | PLENUM | LBS (N) | | INCHES (CM) | |
| | | | | | LBS/1000FT (KG/KM) | LBS/1000FT (KG/KM) | INSTALLATION | LONG TERM | INSTALLATION | LONG TERM |
| CPC with 6 Fiber Subunits | CR018★441#01 | CP018★441#01 | 18 | 0.55 (13.3) | 121 (180) | 134 (200) | 300 (1320) | 150 (660) | 8.3 (20.0) | 5.5 (13.3) |
| | CR024★441#01 | CP024★441#01 | 24 | 0.55 (13.3) | 121 (180) | 134 (200) | 300 (1320) | 150 (660) | 8.3 (20.0) | 5.5 (13.3) |
| | CR036★441#01 | CP036★441#01 | 36 | 0.62 (15.6) | 147 (220) | 171 (255) | 300 (1320) | 150 (660) | 9.2 (23.4) | 6.2 (15.6) |
| CPC with 12 Fiber Subunits | CR024★551#01 | CP024★551#01 | 24 | 0.30 x 0.52 (7.6 x 13.2) | 57 (86) | 62 (92) | 300 (1320) | 150 (660) | 5.0 (12.0) | 4.0 (10.0) |
| | CR036★551#01 | CP036★551#01 | 36 | 0.61 (15.4) | 120 (180) | 134 (200) | 300 (1320) | 150 (660) | 9.1 (23.1) | 6.1 (15.4) |
| | CR048★551#01 | CP048★551#01 | 48 | 0.61 (15.4) | 120 (180) | 134 (200) | 300 (1320) | 150 (660) | 9.1 (23.1) | 6.1 (15.4) |
| | CR060★551#01 | CP060★551#01 | 60 | 0.76 (19.3) | 184 (275) | 211 (315) | 300 (1320) | 150 (660) | 10.4 (26.4) | 6.9 (17.6) |
| | CR072★551#01 | CP072★551#01 | 72 | 0.76 (19.3) | 184 (275) | 211 (315) | 300 (1320) | 150 (660) | 11.4 (29.0) | 7.6 (19.3) |
| | CR096★551#01 | CP096★551#01 | 96 | 0.90 (22.8) | 281 (420) | 295 (440) | 300 (1320) | 150 (660) | 13.5 (34.2) | 9.0 (22.8) |
| | CR144★551#01 | CP144★551#01 | 144 | 1.0 (25.4) | 288 (430) | 302 (450) | 300 (1320) | 150 (660) | 15.0 (38.1) | 10.0 (25.4) |

* Fiber Types – Replace asterisk (*) in AFL number with number in the Fiber Specifications table on previous page.

Outer Jacket Color – Replace hashtag (#) in AFL number with number in the Cable Jacket Color table below.

Cable Jacket Color Options

| | |
|------------|-----------------------------|
| 1 - Blue | 8 - Black |
| 2 - Orange | 9 - Yellow |
| 3 - Green | A - Violet |
| 4 - Brown | B - Rose |
| 5 - Slate | C - Aqua |
| 6 - White | K - Erika Violet (RAL 4003) |
| 7 - Red | |

Cable Length - Reel Size

| ITEM | REEL F | REEL G |
|--------------------------------|---------------|-----------------|
| Reel Height (inches) | 42 | 60 |
| Reel Outside Width (inches) | 36 | 36 |
| Drum Diameter (inches) | 23 | 30 |
| Reel Weight (lbs) | 148 | 287 |
| CAPACITY: METERS (FEET) | | |
| 18 Fiber CPC | 2,300 (7,546) | 2,500 / (8,200) |
| 24 Fiber CPC | 2,300 (7,546) | 2,500 / (8,200) |
| 36 Fiber CPC (6F subunits) | 1,600 (5,250) | 2,500 / (8,200) |
| 36 Fiber CPC (12F subunits) | 1,500 (4,921) | — |
| 48 Fiber CPC | 1,500 (4,921) | — |
| 60 Fiber CPC | 1,250 (4,100) | 1,500 / (4,921) |
| 72 Fiber CPC | 1,000 (3,280) | 1,500 / (4,921) |
| 96 Fiber CPC | — | 1,500 / (4,921) |
| 144 Fiber CPC | — | 1,300 / (4,265) |

