

Multi-Unit Circular Premise Cable

Multi-Unit Circular Premise Cables are for use in applications requiring fiber counts between 24 and 144 fibers. Unitized construction allows for ease of fiber identification and rapid installation.

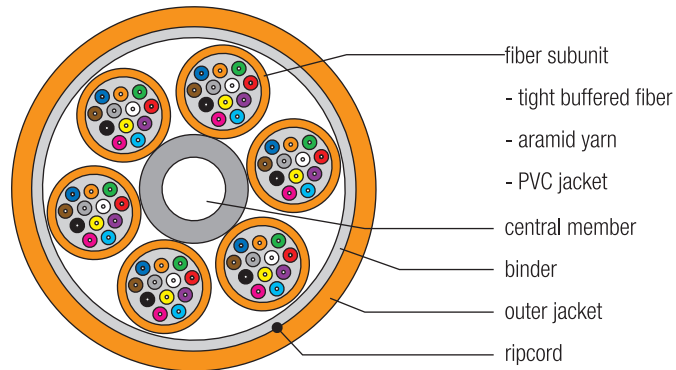
Features

- Available with 24 to 144 fibers
- 12-fiber water-blocked sub-units
- Moisture-resistant, fungus-resistant and UV-resistant outer jacket
- Hybrid constructions also available

Applications

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

Cable Components



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 |
| (5) 50 Giga-Link™ 600 | OM2 | 3.5 | 1.5 | N/A | 500 | 500 | N/A | 600 | 600 | 82 | — |
| (L) 50 Laser-Link 300 | OM3 | 3.0 | 1.2 | N/A | 1,500 | 500 | 2,000 | 1,000 | 550 | 300 | — |
| (C) 50 Laser-Link 550 | OM4 | 3.0 | 1.2 | N/A | 3,500 | 500 | 4,700 | 1,040 | 550 | 550 | — |
| (W) AFL Wideband Multimode | OM5 | 3.0 | 1.2 | N/A | 3,500 | 500 | 4,700 | 1,040 | 550 | 550 | — |
| (9) Single-mode (ITU G.652.D/G.657.A1) | OS2 | N/A | 0.5 | 0.5 | N/A | N/A | N/A | N/A | 5,000 | N/A | 10,000 |



STOCK ITEM

Multi-Unit Circular Premise Cable

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 12 Fiber Subunits | CR024★501##1 | CP024★551##1 | 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★501##1 | CP036★551##1 | 36 | 0.56 (14.3) | 105 (155) | 134 (200) | 300 (1320) | 150 (660) | 9.1 (23.1) | 6.1 (15.4) |
| | CR048★501##1 | CP048★551##1 | 48 | 0.56 (14.3) | 105 (155) | 134 (200) | 300 (1320) | 150 (660) | 9.1 (23.1) | 6.1 (15.4) |
| | CR060★501##1 | CP060★551##1 | 60 | 0.68 (17.3) | 160 (235) | 211 (315) | 300 (1320) | 150 (660) | 10.4 (26.4) | 6.9 (17.6) |
| | CR072★501##1 | CP072★551##1 | 72 | 0.68 (17.3) | 160 (235) | 211 (315) | 300 (1320) | 150 (660) | 11.4 (29.0) | 7.6 (19.3) |
| | CR096★501##1 | CP096★551##1 | 96 | 0.81 (20.6) | 280 (410) | 295 (440) | 300 (1320) | 150 (660) | 13.5 (34.2) | 9.0 (22.8) |
| | CR144★501##1 | CP144★551##1 | 144 | 0.92 (23.4) | 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 | |

Qualifications

| GOVERNING BODY | STANDARD CODE | COMPONENT |
|----------------|---------------|-----------|
| Telcordia | GR-409-CORE | Sub-units |
| EIA/TIA | 568-A | Sub-units |
| ICEA | S-104-696 | Sub-units |
| NFPA | 262 | Cable |
| RoHS | 2002/95/EC | Cable |

Temperature Specifications

| | TEMPERATURE RANGE | |
|---------------------|-------------------|----------------|
| | PLENUM | RISER |
| Installation | 0°C to +70°C | -20°C to +70°C |
| Operation | 0°C to +70°C | -20°C to +70°C |
| Storage | -40°C to +75°C | -40°C to +75°C |

Contact AFL for further details.