



Features and Benefits

- OFNP Plenum rated for *any* indoor application
- Loose tube, gel-filled construction for outdoor protection
- Closet to closet installation, regardless of where communications equipment is located
- Low overall installation costs

Applications

- Closet to closet installations
- Interbuilding backbones
- Intrabuilding backbones
- OFNR and/or OFPN listed applications

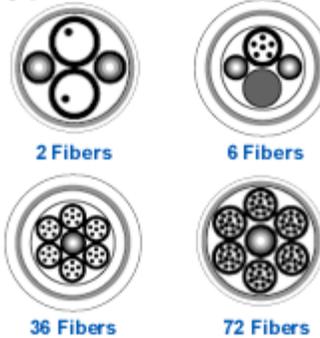
LTP Universal Cables



Universal Cables are high performance, indoor/outdoor cables. The innovative loose tube design provides maximum fiber protection for outdoor installations while meeting indoor plenum rating requirements (UL-910 OFNP per NEC 770-51(a) and 770-53(a)). The result is one cable to meet all cable plant requirements.

The LTP Universal Cable allows the user to run cable between buildings and anywhere within a building without splicing and without special conduit runs. Specifying the UNIVERSAL cable means that 2 or 3 cable types are no longer needed for each job, no more special conduit installations and much less splicing. This translates to lower installation cost.

Typical Cross Sections



MECHANICAL SPECIFICATIONS

No. of Fibers	GP Part Number*	Nom. Cable Diameter Inch (mm)	Nom. Cable Weight Lbs/1000' (kg/km)	Min. Bend Radius		Max Vertical Rise Feet (Meters)
				Installation Inch (cm)	In-service Inch (cm)	
2	XX0023M1D	0.232 (5.9)	28 (42)	4.6 (11.7)	2.3 (5.8)	1640 (500)
4	XX0044M1D	0.232 (5.9)	28 (42)	4.6 (11.7)	2.3 (5.8)	1640 (500)
6	XX0064M1D	0.256 (6.5)	33 (50)	5.1 (13.0)	2.6 (6.6)	1640 (500)
8	XX0084M1D	0.256 (6.5)	33 (50)	5.1 (13.0)	2.6 (6.6)	1640 (500)
12	XX0124M1D	0.256 (6.5)	33 (50)	5.1 (13.0)	2.6 (6.6)	1640 (500)
18	XX0184M1D	0.323 (8.2)	53 (79)	6.5 (16.5)	3.2 (8.1)	1273 (388)
24	XX0244M1D	0.323 (8.2)	53 (79)	6.5 (16.5)	3.2 (8.1)	1273 (388)
36	XX0364M1D	0.353 (9.0)	61 (91)	7.1 (18.0)	3.5 (8.9)	1106 (337)
48	XX0484M1D	0.390 (9.9)	73 (109)	7.8 (19.8)	3.9 (9.9)	924 (281)
60	XX0604M1D	0.390 (9.9)	73 (109)	7.8 (19.8)	3.9 (9.9)	924 (281)
72	XX0724M1D	0.436 (11.1)	89 (136)	8.7 (22.1)	4.4 (11.2)	758 (231)
96	XX0964M1D	0.531 (13.5)	114 (169)	10.6 (26.9)	5.3 (13.5)	592 (180))

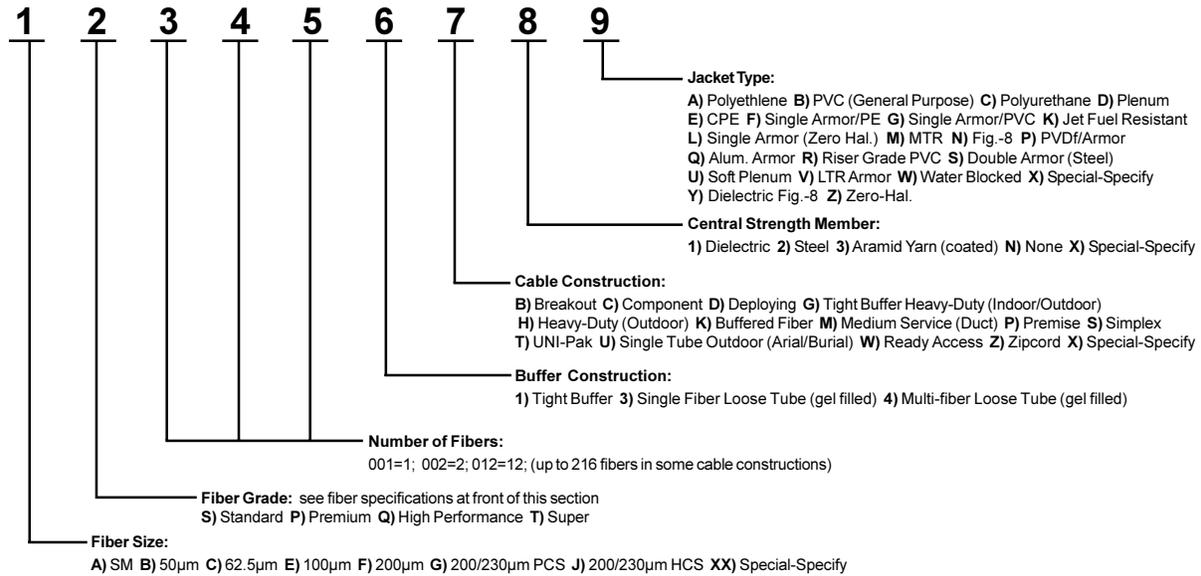
* XX denotes fiber type

GENERAL SPECIFICATIONS

Temperature:	-40°C (-40°F) to 80°C (176°F) Storage; -40°C (-40°F) to 80°C (176°F) In-Service
Ratings:	UL-910 OFNP 770-51(a) and 770-53 (a)
Central Strength Member:	Epoxy/glass rod
Cable Core	Gel-Filled Loose Tubes
Jacket:	Proprietary, flame retardant compound
Outer Strength Member	Aramid fiber yarn
Maximum Tensile Load:	Installation 600 Lbsf (2670 N); In-Service 135 Lbsf (600 N)
Maximum Crush Resistance	500 Lbsf/in (875 N/cm)

ORDERING INFORMATION

Cable Part Numbering System



Color Coding

All BICC General cables, unless customized, follow the industry standard color code system for easy identification. Cables with 12 or fewer individual components will follow the color sequence: Blue, Orange, Green, Brown, Slate White, Red, Black, Yellow, Violet, Pink, Aqua.

For cables having more than 12 fibers, grouping is done following the same sequence for the subgroup and for the fibers within it. Example: 24 fiber loose tube cable with six fibers in each of four tubes—Tube colors will be blue, orange, green and brown. Each tube will have one each of fibers in the first six colors (blue, orange, green, brown, slate, white). Fibers are then identified by tube color/fiber color—blue/white being the white fiber in the blue tube.

When cables have more than 144 fibers, a black stripe is added to each of the first six colors in order to make 18 recognizable subgroups.

In some cable designs, jacketed subgroups may be numbered for identification in lieu of color coding.

FOR ADDITIONAL INFORMATION ON THIS OR OTHER PRODUCTS AND THEIR AVAILABILITY, PLEASE CONTACT FIBER OPTIC CENTER, INC.