

LTM Standard Outdoor Cables



LTM Standard Outdoor Cables are based on the industry standard design known best for protection against moisture and temperature fluctuations. These cables are used for interbuilding installations in ducts or conduits or are lashed aerially. Loose tube cables are designed to withstand adverse environments and provide very low attenuation. They are cost effective, long-term solutions for many outdoor applications.

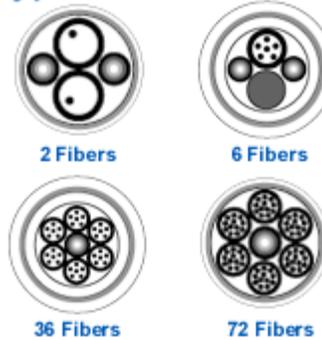
Features and Benefits

- Loose tube, gel-filled construction
- UV and moisture resistant design
- Extremely low attenuation
- Color coded fibers and tubes for easy identification
- Available with up to 216 fibers

Applications

- Interbuilding backbone
- Requirements for high fiber counts
- Most duct, conduit and lashed applications

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	XX0023M1A	0.294 (7.5)	32 (48)	5.9 (15.0)	2.9 (7.4)	1640 (500)
4	XX0044M1A	0.294 (7.5)	32 (48)	5.9 (15.0)	2.9 (7.4)	1640 (500)
6	XX0064M1A	0.318 (8.1)	38 (57)	6.4 (16.3)	3.2 (8.1)	1640 (500)
8	XX0084M1A	0.318 (8.1)	38 (57)	6.4 (16.3)	3.2 (8.1)	1640 (500)
12	XX0124M1A	0.318 (8.1)	38 (57)	6.4 (16.3)	3.2 (8.1)	1640 (500)
18	XX0184M1A	0.385 (9.8)	56 (71)	7.7 (19.6)	3.9 (9.9)	1205 (367)
24	XX0244M1A	0.385 (9.8)	56 (71)	7.7 (19.6)	3.9 (9.9)	1205 (368)
36	XX0364M1A	0.415 (10.5)	66 (98)	8.3 (21.1)	4.2 (10.7)	1022 (312)
48	XX0484M1A	0.454 (11.5)	79 (118)	9.1 (23.1)	4.5 (11.4)	854 (260)
60	XX0604M1A	0.454 (11.5)	79 (118)	9.1 (23.1)	4.5 (11.4)	854 (260)
72	XX0724M1A	0.495 (12.6)	95 (141)	9.9 (25.1)	5.0 (12.7)	710 (216)
96	XX0964M1A	0.570 (14.5)	126 (187)	11.4 (29.0)	5.7 (14.5)	535 (163)
120	XX1204M1A	0.645 (16.4)	160 (238)	12.9 (32.8)	6.5 (16.5)	468 (143)
144	XX1444M1A	0.677 (17.2)	177 (263)	13.5 (34.3)	6.8 (17.3)	381 (116)
192	XX1924M1A	0.704 (17.9)	191 (284)	14.1 (35.8)	7.0 (17.8)	353 (108)
216	XX2164M1A	0.745 (18.9)	215 (320)	14.9 (37.9)	7.5 (19.1)	313 (95)

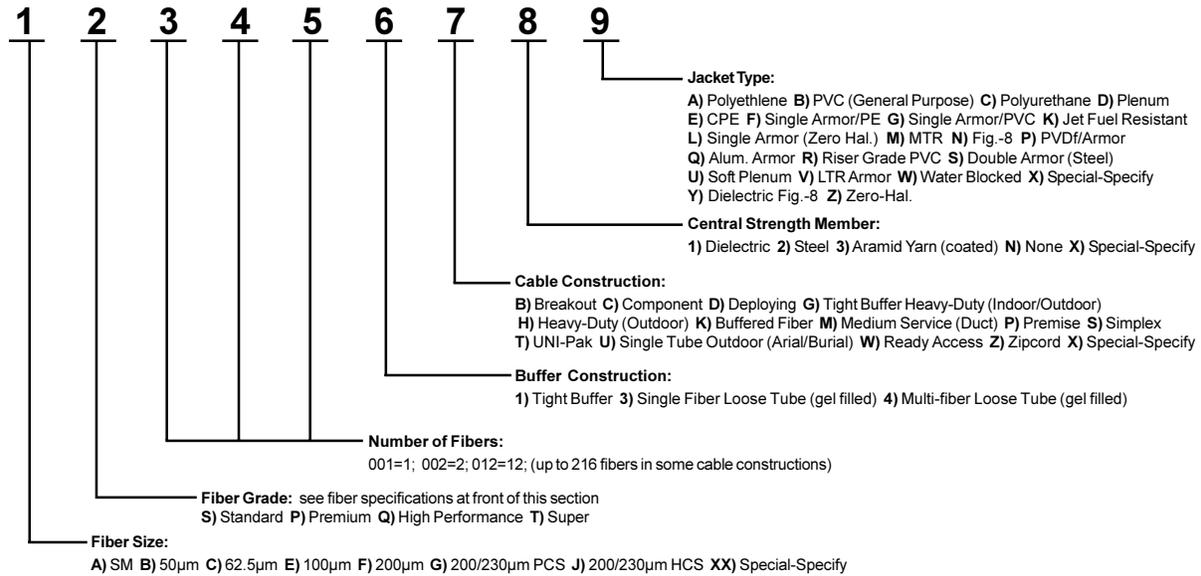
* XX denotes fiber type

GENERAL SPECIFICATIONS

Temperature:	-40°C (-40°F) to 80°C (176°F) Storage; -40°C (-40°F) to 80°C (176°F) In-Service
Central Strength Member:	Epoxy/glass rod
Cable Core:	Gel-Filled Loose Tubes
Outer Strength Member:	Aramid fiber yarn
Jacket:	Black UV and moisture resistant polyethylene
Maximum Tensile Load:	Installation 600 Lbsf (2670 N); In-Service 135 Lbsf (600 N)
Maximum Chrush 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.