

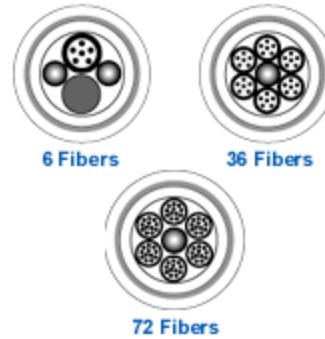


LTR Loose Tube Riser Cables



Loose tube, riser rated cable is the solution for continuous cable runs between and within buildings. These loose tube cables provide the maximum protection for outdoor installations in ducts, conduits or aerial-lashed. They are also riser rated (UL-1666 OFNR per NEC 770-51(b) and 770-53(b)) and therefore can be routed to many areas within a building, eliminating the need for costly demarcation points. This cable saves both installation time and money by eliminating splice points and the need to inventory two different cable types.

Typical Cross Sections



Features and Benefits

- Loose tube, gel-filled for outdoors
- OFNR riser rated for indoors
- Reduces splices and/or connections by up to 50% Closet-to-closet installation
- Available with up to 216 fibers

Applications

- Duct or aerial lashed applications
- Campus type networks
- Building-to-building installations requiring fiber beyond 50' from building entrance

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	XX0023H1M	0.330 (8.4)	52 (77)	6.6 (16.8)	3.3 (8.4)	1298 (396)
4	XX0044H1M	0.330 (8.4)	52 (77)	6.6 (16.8)	3.3 (8.4)	1298 (396)
6	XX0064H1M	0.354 (9.0)	56 (83)	7.1 (18.0)	3.5 (8.9)	1205 (367)
8	XX0084H1M	0.354 (9.0)	56 (83)	7.1 (18.0)	3.5 (8.9)	1205 (367)
12	XX0124H1M	0.354 (9.0)	56 (83)	7.1 (18.0)	3.5 (8.9)	1205 (367)
18	XX0184H1M	0.421 (10.7)	82 (122)	8.4 (21.3)	4.2 (10.7)	823 (251)
24	XX0244H1M	0.421 (10.7)	82 (122)	8.4 (21.3)	4.2 (10.7)	823 (251)
36	XX0364H1M	0.451 (11.5)	95 (141)	9.0 (22.9)	4.5 (11.4)	710 (216)
48	XX0484H1M	0.488 (12.4)	110 (164)	9.8 (24.9)	4.9 (12.5)	613 (187)
60	XX0604H1M	0.488 (12.4)	110 (164)	9.8 (24.9)	4.9 (12.5)	613 (187)
72	XX0724H1M	0.531 (13.5)	123 (183)	10.6 (26.9)	5.3 (13.5)	549 (167)
96	XX0964H1M	0.606 (15.4)	161 (240)	12.1 (30.7)	6.1 (15.5)	419 (128)
120	XX1204H1M	0.681 (17.3)	204 (304)	13.6 (34.5)	6.8 (17.3)	330 (101)
144	XX1444H1M	0.713 (18.1)	224 (333)	14.3 (36.3)	7.1 (18.0)	301 (92)
192	XX1924H1M	0.730 (18.5)	235 (350)	14.6 (37.1)	7.3 (17.1)	287 (87)
216	XX2164H1M	0.771 (19.6)	263 (391)	15.4 (39.1)	7.7 (19.6)	256 (78)

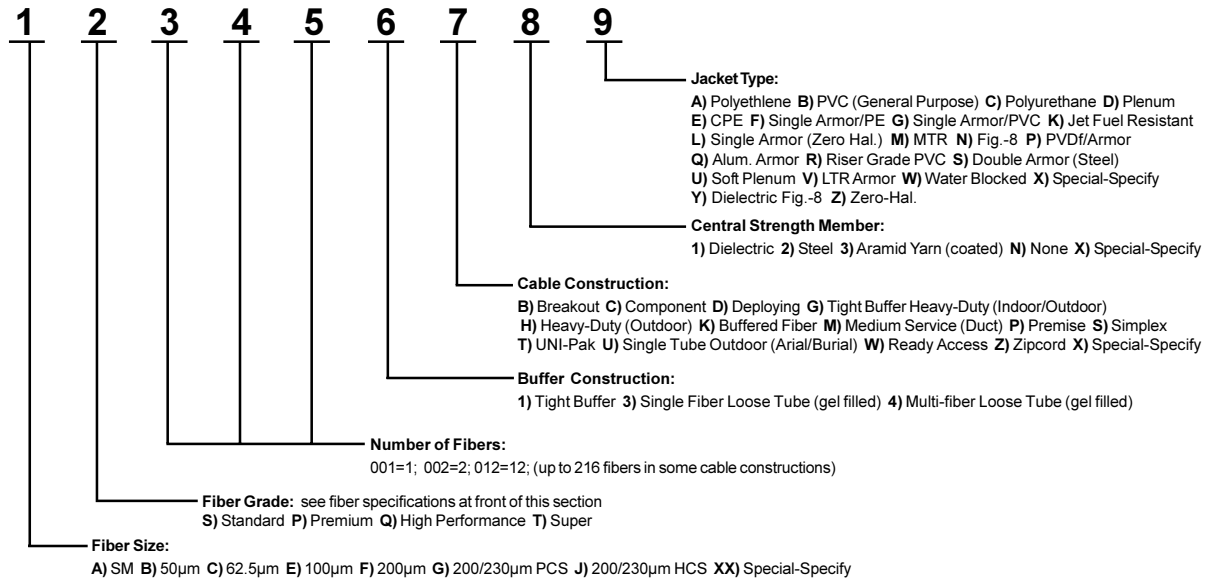
* XX denotes fiber type

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-1666 OFNR per NEC 770-51(b) and 770-53(b)
Central Strength Member:	Epoxy/glass rod
Cable Core	Gel-Filled Loose Tubes
Inner Jacket:	Flame retardant and moisture resistant modified polymer
Outer Strength Member	Aramid fiber yarn
Outer Jacket	Flame retardant and moisture resistant
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.