

Features and Benefits

- Loose tube, gel-filled construction
- OFNR riser rated Impervious to jet fuel and many chemicals
- Available with up to 216 fibers

Applications

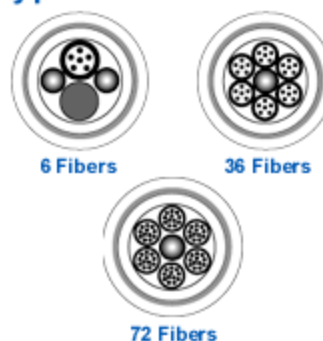
- Industrial facilities
- Pulp and paper mills
- Airports
- Building-to-building networks

LTR Chemical Resistant Cables



LTR Chemical Resistant Cables have been specifically designed to be installed in harsh industrial environments. The cables continue to perform when constantly exposed to jet fuels, chemicals, solvents and many compounds normally destructive to other cable designs. The riser rating allows the cable to run within a building, while the loose tube construction protects the fibers for interbuilding runs.

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	XX0023M1X	0.294 (7.5)	32 (48)	5.9 (15.0)	2.9 (7.4)	1640 (500)
4	XX0044M1X	0.294 (7.5)	32 (48)	5.9 (15.0)	2.9 (7.4)	1640 (500)
6	XX0064M1X	0.318 (8.1)	38 (57)	6.4 (16.3)	3.2 (8.1)	1640 (500)
8	XX0084M1X	0.318 (8.1)	38 (57)	6.4 (16.3)	3.2 (8.1)	1640 (500)
12	XX0124M1X	0.318 (8.1)	38 (57)	6.4 (16.3)	3.2 (8.1)	1640 (500)
18	XX0184M1X	0.385 (9.8)	56 (71)	7.7 (19.6)	3.9 (9.9)	1205 (367)
24	XX0244M1X	0.385 (9.8)	56 (71)	7.7 (19.6)	3.9 (9.9)	1205 (367)
36	XX0364M1X	0.415 (10.5)	66 (98)	8.3 (20.1)	4.2 (10.7)	1022 (312)
48	XX0484M1X	0.454 (11.5)	79 (118)	9.1 (23.1)	4.5 (11.4)	854 (260)
60	XX0604M1X	0.454 (11.5)	79 (118)	9.1 (23.1)	4.5 (11.4)	854 (260)
72	XX0724M1X	0.495 (12.6)	95 (141)	9.9 (25.1)	5.0 (12.7)	710 (216)
96	XX0964M1X	0.570 (14.5)	126 (187)	11.4 (29.0)	5.7 (14.5)	535 (163)
120	XX1204M1X	0.645 (16.4)	160 (238)	12.9 (32.8)	6.5 (16.5)	468 (143)
144	XX1444M1X	0.677 (17.2)	177 (263)	13.5 (34.3)	6.8 (17.3)	381 (116)
192	XX1924M1X	0.704 (17.9)	191 (284)	14.1 (35.8)	7.0 (17.8)	353 (108)
216	XX2164M1X	0.745 (18.9)	215 (320)	14.9 (37.9)	7.5 (19.1)	313 (95)

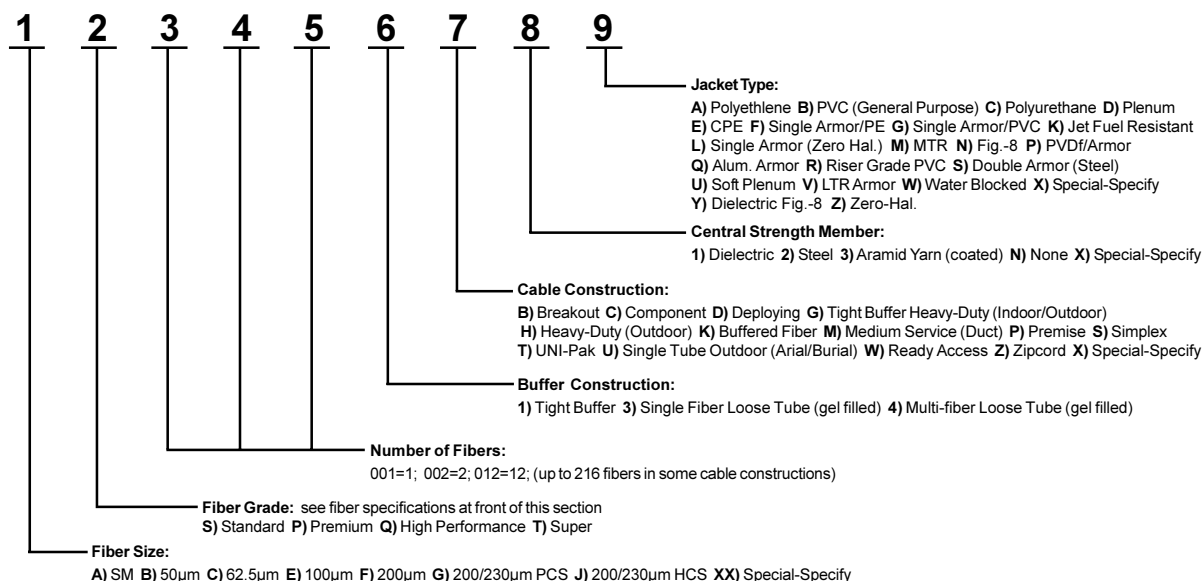
* XX denotes fiber type

GENERAL SPECIFICATIONS

Temperature:	-40°C (-40°F) to 80°C (176°F) Storage; -40°C (-40°F) to 80°C (176°F) In-Service
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
Outer Strength Member:	Aramid fiber yarn
Jacket:	Black UV and moisture resistant proprietary material
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.