

Features and Benefits

- Reduced corrosive and toxic effects when burned
- OFNR riser rated, UL listed
- Small, flexible construction
- Available with up to 48 fibers

Applications

- Transit-Tunnel and subway installations
- Large computer facilities
- Central office switch locations
- Any heavily populated building

TPH Zero Halogen Cables

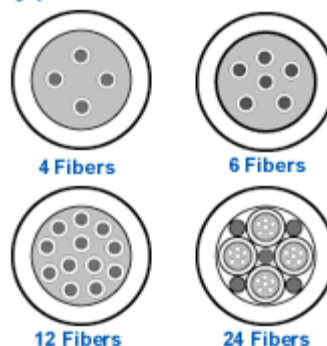


TPH Zero Halogen Cables are designed for critical areas that are sensitive to corrosive and toxic effects from a fire. These cables generate little smoke and contain no halogens, which greatly improves the chances of survival in a fire.

The tight buffered, premise style design provides a small and flexible cable that is easy to install and terminate. Cables are OFNR rated for use in most parts of a building.

The cable design is ideal for installation in any enclosed areas, such as tunnels and subways. Its low corrosive properties also make it ideal for computer rooms, central office switch locations and anywhere electronic equipment needs to be protected.

Typical Cross Sections



MECHANICAL SPECIFICATIONS

No. of Fibers	GP Part Number*	Nom. Cable Diameter Inch (mm)	Nom. Cable Weight Lbs/1000' (kg/km)	Max. Tensile Load		Min. Bend Radius	
				Installation Lbsf (N)	In-service Lbsf (N)	Installation Inch (cm)	In-Service Inch (cm)
2	XX0021PNZ	0.188 (4.8)	11 (16)	225 (1000)	65 (290)	3.8 (9.7)	1.9 (4.8)
4	XX0041PNZ	0.201 (5.0)	15 (22)	225 (1000)	65 (290)	4.0 (10.2)	2.0 (5.1)
6	XX0061PNZ	0.215 (5.5)	18 (27)	225 (1000)	65 (290)	4.3 (10.9)	2.2 (5.6)
8	XX0081PNZ	0.225 (5.7)	20 (30)	245 (1090)	70 (310)	4.5 (11.4)	2.3 (5.8)
10	XX0101PNZ	0.240 (6.1)	22 (33)	320 (1425)	112 (500)	4.8 (12.2)	2.4 (6.1)
12	XX0121PNZ	0.250 (6.4)	24 (36)	320 (1425)	112 (500)	5.0 (12.7)	2.5 (6.4)
18	XX0181PNZ	0.475 (12.1)	80 (119)	600 (2670)	135 (600)	9.5 (24.1)	4.8 (12.2)
24	XX0241P1Z	0.517 (13.1)	94 (140)	600 (2670)	135 (600)	10.3 (26.2)	5.2 (13.2)
36	XX0361P1Z	0.644 (16.4)	147 (219)	800 (3560)	180 (800)	12.9 (32.8)	6.4 (16.3)
48	XX0481P1Z	0.660 (16.8)	155 (234)	1000 (4450)	225 (1000)	13.2 (33.5)	6.6 (16.8)

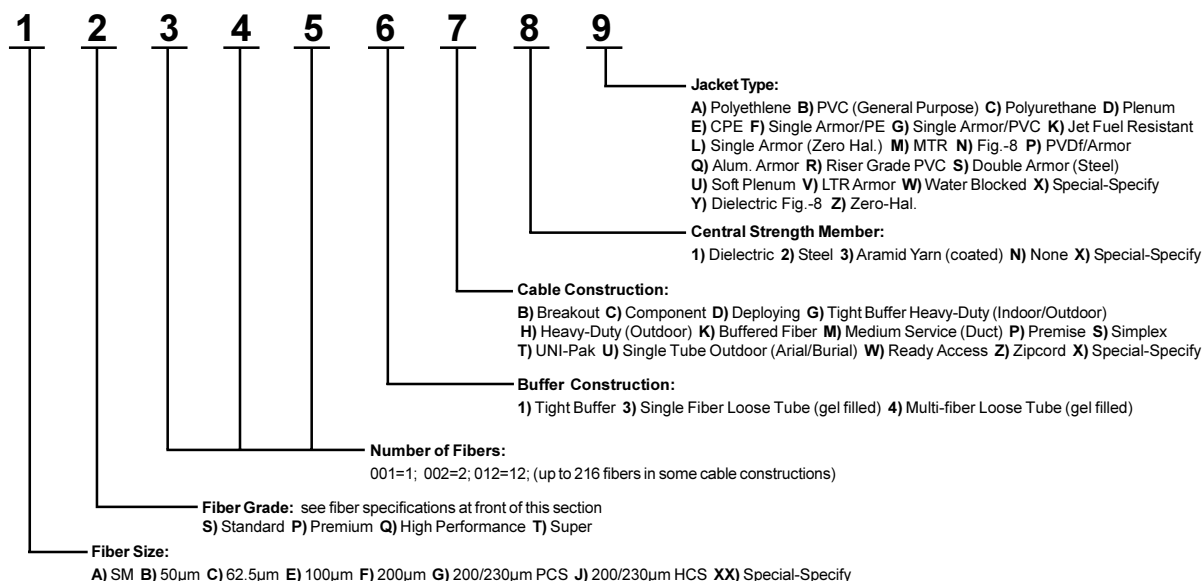
* XX denotes fiber type

GENERAL SPECIFICATIONS

Temperature:	-40°C (-40°F) to 80°C (176°F) Storage, -20°C (-4°F) to 80°C (176°F) In-Service
Ratings:	UL-1666 OFNR per NEC 770-51(b) and 770-53(b)
Central Strength Member:	(above 12 fibers) Epoxy/glass rod
Outer Strength Member:	Aramid fiber yarn
Jacket:	Flame retardant low smoke zero halogen compound
Maximum Crush Resistance:	850 Lbsf/inch (1485 N/cm)
Maximum Vertical Rise:	1640 feet (500 meters)

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.