

(3.2i) B-Series Breakout – Plenum Rated Cables



Mechanical and Environmental Performance

	INDOOR/OUTDOOR
Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Installation temperature (cable temp.)	0°C to +60°C
Flame retardancy	UL listed type OFNP (ANSI/NFPA 262) and FT6 (CSA C22.2 No. 232)
Impact resistance	1,000 impacts (EIA/TIA-455-25A)
Crush resistance	2,100 N/cm (TIA/EIA-455-41A)
Flex resistance	2,000 cycles (TIA/EIA-455-104A)

Cable Characteristics: B-Series Breakout Plenum Cables (with 2.0mm subcables)

FIBER COUNT	DIAMETER MM (IN)	WEIGHT KG/KM (LBS/1,000')	TENSILE LOAD		MINIMUM BEND RADIUS	
			INSTALLATION N (LBS)	OPERATIONAL N (LBS)	INSTALLATION CM (IN)	LONG-TERM CM (IN)
2	6.3 (0.26)	46 (31)	1,600 (360)	400 (90)	9.5 (3.7)	9.5 (3.7)
4	6.3 (0.26)	46 (31)	1,600 (360)	400 (90)	9.5 (3.7)	9.5 (3.7)
6	7.4 (0.29)	61 (41)	2,400 (540)	600 (130)	11.2 (4.4)	11.2 (4.4)
8	8.7 (0.34)	88 (59)	3,200 (720)	800 (180)	13.1 (5.2)	13.1 (5.2)
12	9.2 (0.36)	94 (63)	4,800 (1,080)	1,200 (270)	13.9 (5.5)	13.9 (5.5)
18	12.2 (0.48)	162 (109)	6,000 (1,350)	1,500 (340)	18.3 (7.2)	18.3 (7.2)
24	14.2 (0.56)	221 (148)	7,200 (1,620)	1,800 (400)	21.3 (8.4)	21.3 (8.4)
36	15.7 (0.62)	274 (184)	9,600 (2,160)	2,400 (540)	23.6 (9.3)	23.6 (9.3)
48	18.4 (0.72)	376 (253)	12,000 (2,700)	3,000 (670)	27.6 (10.9)	27.6 (10.9)

Installation loads in excess of 2,700 N (600 lbs.) are not recommended.

Note: 2.0mm subcables standard. 2.5mm subcables available by request. Contact Optical Cable Corporation for ordering details.

Ordering Information

	B	X				K				9		P
Digit No:	1	2	3	4	5	6	7	8	9	10	11	12

- 1 – 2 Breakout Series Ultra-Fox = **BX**
- 3 – 5 Fiber count: (see cable characteristics chart) = **002-048**
- 6 Jacket type: Indoor/Outdoor Fluoropolymer = **K**
- 7 – 9 Fiber type: (see Laser Ultra-Fox Fiber Performance Table, p. 23)
- 10 Ultra-Fox fiber with 900µm tight-buffer = **9**
- 11 Standard jacket colors:
 - 62.5µm multimode (WLS, WLX): Orange = **O**
 - 50µm multimode (ALS, ALX): Orange = **O**
 - 50µm 10 Gigabit multimode (ALT, ALE): Aqua = **Q**
 - Single-mode: Yellow = **Y**
- 12 Rating: Plenum = **P**

Example: 12-fiber cable using 62.5µm standard Laser Ultra-Fox fiber, orange jacket –

B	X	0	1	2	K	W	L	S	9	O	P
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