

 (3.2h) B-Series Breakout – Riser Rated Cables

## Mechanical and Environmental Performance

	INDOOR/OUTDOOR
Operating temperature	-40°C to +85°C
Storage temperature	-55°C to +85°C
Installation temperature (cable temp.)	-10°C to +60°C
Flame retardancy	UL listed type OFNR (UL 1666) and FT4 (CSA C22.2 No. 232)
Impact resistance	1,500 impacts (EIA/TIA-455-25A)
Crush resistance	2,200 N/cm (TIA/EIA-455-41A)
Flex resistance	2,000 cycles (TIA/EIA-455-104A)

## Cable Characteristics: B-Series Breakout Riser Cables (with 2.5mm 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	7.0 (0.28)	41 (28)	1,200 (270)	500 (110)	10.5 (4.1)	7.0 (2.8)
4	8.3 (0.33)	65 (44)	2,000 (450)	800 (180)	12.2 (4.8)	8.1 (3.2)
6	9.6 (0.38)	84 (56)	3,000 (670)	1,200 (270)	14.4 (5.7)	9.6 (3.8)
8	11.6 (0.46)	126 (85)	4,000 (900)	1,700 (380)	17.5 (6.9)	11.6 (4.6)
12	14.1 (0.55)	159 (107)	6,000 (1,350)	2,500 (560)	21.2 (8.3)	14.1 (5.5)
18	15.3 (0.60)	216 (145)	8,000 (1,800)	3,500 (790)	23.1 (9.1)	15.3 (6.0)
24	17.6 (0.69)	279 (188)	10,000 (2,250)	3,800 (850)	26.5 (10.4)	17.6 (6.9)
30	20.9 (0.80)	360 (242)	14,000 (3,150)	6,000 (1,350)	31.4 (12.3)	20.9 (8.2)
36	20.9 (0.80)	360 (242)	14,000 (3,150)	6,000 (1,350)	31.4 (12.3)	20.9 (8.2)
48	24.2 (0.95)	483 (325)	18,000 (4,050)	7,500 (1,690)	36.3 (14.3)	24.2 (9.5)
60	28.5 (1.12)	744 (500)	22,000 (4,950)	8,800 (1,980)	42.7 (16.8)	28.5 (11.2)
72	28.9 (1.14)	738 (496)	26,000 (5,845)	11,000 (2,470)	43.4 (17.1)	28.9 (11.4)

Installation loads in excess of 2,700 N (600 lbs.) are not recommended.  
Other fiber counts available upon request.

Note: 2.5mm subcables standard. 2.0mm and 2.9mm subcable diameters available upon request.



## Cable Characteristics: B-Series Breakout Riser 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	6.0 (0.24)	37 (25)	800 (180)	200 (40)	9.0 (3.5)	6.0 (2.4)
4	7.0 (0.28)	49 (33)	1,600 (360)	400 (90)	10.5 (4.1)	7.0 (2.8)
6	8.0 (0.31)	63 (42)	2,400 (540)	600 (130)	12.0 (4.7)	8.0 (3.1)
8	9.5 (0.37)	83 (56)	3,200 (720)	800 (180)	14.3 (5.6)	9.5 (3.7)
12	11.0 (0.43)	103 (69)	4,800 (1,000)	1,200 (270)	16.5 (6.5)	11.0 (4.3)
18	12.5 (0.49)	148 (99)	6,000 (1,350)	1,500 (340)	18.8 (7.4)	12.5 (4.9)
24	14.7 (0.58)	208 (140)	7,200 (1,600)	1,800 (400)	22.1 (8.7)	14.7 (5.8)
30	16.8 (0.66)	253 (170)	9,600 (2,100)	2,400 (540)	25.2 (9.9)	16.8 (6.6)
36	16.8 (0.66)	253 (170)	9,600 (2,100)	2,400 (540)	25.2 (9.9)	16.8 (6.6)
48	20.1 (0.79)	368 (247)	12,000 (2,700)	3,000 (680)	30.2 (11.9)	20.1 (7.9)
60	22.7 (0.89)	467 (314)	15,000 (3,400)	3,750 (850)	34.1 (13.4)	22.7 (8.9)
72	26.0 (1.02)	623 (419)	16,800 (3,800)	4,200 (900)	39.0 (15.4)	26.0 (10.2)

## Ordering Information

	<b>B</b>					<b>D</b>				<b>9</b>		<b>R</b>
Digit No:	1	2	3	4	5	6	7	8	9	10	11	12
1 – 2	Breakout Series Ultra-Fox 2.0mm Subcables = <b>BE</b> 2.5mm Subcables = <b>BX</b>											
3 – 5	Fiber count: (see cable characteristics chart) = <b>002–072</b>											
6	Jacket type: Indoor/Outdoor PVC = <b>D</b>											
7 – 9	Fiber type: (see Laser Ultra-Fox Fiber Performance Table, p. 23)											
10	Ultra-Fox fiber with 900µm tight-buffer = <b>9</b>											
11	Standard jacket colors: Black = <b>K</b> Optional colors available: 62.5µm multimode (WLS, WLX): Orange = <b>O</b> 50µm multimode (ALS, ALX): Orange = <b>O</b> 50µm 10 Gigabit multimode (ALT, ALE): Aqua = <b>Q</b> Single-mode: Yellow = <b>Y</b>											
12	Rating: Riser = <b>R</b>											

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

**B X 0 1 2 D W L S 9 K R**