

(3.2a) D-Series Distribution – Riser Rated Cables

Cable Characteristics: D-Series Distribution Riser Cables

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*	4.8 (0.19)	22 (14)	660 (150)	180 (40)	7.3 (2.9)	4.8 (1.9)
4	5.1 (0.20)	24 (16)	1,400 (310)	450 (100)	7.7 (3.0)	5.1 (2.0)
6	5.7 (0.22)	32 (22)	1,400 (310)	450 (100)	8.6 (3.4)	5.7 (2.2)
8	6.0 (0.24)	34 (23)	1,600 (360)	525 (120)	9.0 (3.5)	6.0 (2.4)
10	6.5 (0.26)	43 (29)	1,800 (400)	600 (135)	9.8 (3.8)	6.5 (2.6)
12**	6.5 (0.26)	38 (25)	2,700 (600)	600 (135)	9.8 (3.8)	6.5 (2.6)
12***	7.3 (0.28)	42 (32)	2,700 (600)	600 (135)	10.8 (4.3)	7.3 (2.9)
18	7.3 (0.29)	48 (32)	2,700 (600)	700 (160)	11.0 (4.3)	7.2 (2.9)
24	8.9 (0.35)	67 (45)	3,000 (670)	1,000 (220)	13.4 (5.3)	8.9 (3.5)
30	9.1 (0.36)	75 (50)	3,000 (670)	1,000 (220)	13.1 (5.2)	9.1 (3.6)
36	9.1 (0.36)	73 (49)	3,000 (670)	1,000 (220)	13.7 (5.4)	9.1 (3.6)
48	10.1 (0.40)	93 (63)	4,200 (940)	1,400 (310)	15.2 (6.0)	10.1 (4.0)
60	12.3 (0.48)	135 (91)	4,800 (1,080)	1,600 (360)	18.5 (7.3)	12.3 (4.8)
72	14.0 (0.55)	177 (119)	5,400 (1,210)	1,800 (400)	21.0 (8.3)	14.0 (5.5)
84	14.4 (0.57)	190 (128)	6,000 (1,350)	2,000 (450)	21.6 (8.5)	14.4 (5.7)
96	16.0 (0.63)	225 (151)	6,000 (1,350)	2,000 (450)	24.1 (9.5)	16.0 (6.3)
108	16.8 (0.66)	246 (165)	6,000 (1,350)	2,000 (450)	25.3 (10.0)	16.8 (6.6)
120	17.9 (0.70)	271 (182)	6,000 (1,350)	2,000 (450)	26.8 (10.6)	17.9 (7.0)
132	17.8 (0.70)	291 (195)	6,000 (1,350)	2,000 (450)	26.8 (10.6)	17.8 (7.0)
144	20.3 (0.80)	339 (228)	6,000 (1,350)	2,000 (450)	30.5 (12.0)	20.3 (8.0)

NOTES:
 *-40°C to +70°C
 **62.5µm multimode and single-mode fiber
 ***50µm multimode fiber
 Installation loads in excess of 2,700 N (600 lbs) are not recommended.

Ordering Information

	D	X				D				9		R
Digit No:	1	2	3	4	5	6	7	8	9	10	11	12

- 1 – 2 Distribution Series Ultra-Fox = **DX**
- 3 – 5 Fiber count: (see cable characteristics chart) = **002–144**
- 6 Jacket type: Indoor/Outdoor PVC = **D**
- 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 color: Black = **K**
 Optional colors available:
 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: Riser = **R**

Example: 12-fiber indoor/outdoor riser cable using 62.5µm Ultra-Fox fiber, black jacket –

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