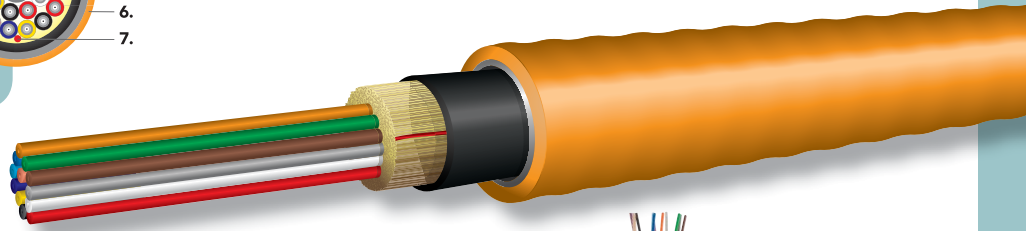
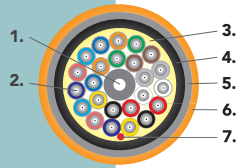


(3.2d) D-Series Distribution – Interlocking Armor (ILA) Riser Rated Cables



1. Central Filler/Strength Member
2. Tight-Buffer Optical Fiber
3. Aramid Strength Member
4. Inner Jacket
5. Aluminum Interlocking Armor
6. Outer Jacket
7. Ripcord



Applications

- Ideal for industrial and other installations requiring a metallic conduit
- Interlocking preloaded armor may eliminate the need for conduit, reducing installation costs

Features

- Inner cable is a fully functional D-Series Distribution Riser Rated Cable
- UL listed in accordance with NEC section 770.179(b) for use in vertical runs in building risers or from floor to floor
- Aluminum interlocking armor with PVC overjacket
- Interlocking armor can be easily removed, leaving an intact inner cable
- Greater flexibility than standard corrugated steel-armored (CST) cables
- Ideal for locations that would otherwise require conduit for cable protection
- Wide operating temperature of -40°C to +85°C



Mechanical and Environmental Performance

	INDOOR/OUTDOOR
Operating temperature	-40°C to +85°C
Storage temperature	-55°C to +85°C
Installation temperature (cable temp.)	0°C to +60°C
Flame retardancy	UL listed type OFCR (UL 1666) and FT4 (CSA C22.2 No. 232)
Impact resistance	20 impacts (EIA/TIA-455-25A)
Crush resistance	650 N/cm (TIA/EIA-455-41A)
Flex resistance	25 cycles (TIA/EIA-455-104A)

Applicable Standards

OCC indoor/outdoor tight-buffered fiber optic cables meet the functional requirements of the following standards:

- UL 1666
- UL 1651
- ICEA-S-83-596



(3.2d) D-Series Distribution – Interlocking Armor (ILA) Riser Rated Cables

Cable Characteristics: D-Series Distribution Interlocking Armor (ILA) Riser Rated 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	13.1 (0.52)	158 (106)	1,350 (300)	400 (90)	26.2 (10.3)	19.7 (7.8)
4	13.1 (0.52)	158 (106)	1,350 (300)	400 (90)	26.2 (10.3)	19.7 (7.8)
6	13.1 (0.52)	158 (106)	1,350 (300)	400 (90)	26.2 (10.3)	19.7 (7.8)
8	13.6 (0.54)	167 (112)	1,350 (300)	400 (90)	27.2 (10.7)	20.4 (8.0)
10	14.1 (0.56)	180 (121)	1,350 (300)	400 (90)	28.2 (11.1)	21.2 (8.3)
12	15.1 (0.59)	201 (135)	1,350 (300)	400 (90)	30.2 (11.9)	22.7 (8.9)
18	15.1 (0.59)	200 (134)	1,350 (300)	400 (90)	30.2 (11.9)	22.7 (8.9)
24	16.7 (0.66)	239 (161)	1,350 (300)	400 (90)	33.4 (13.1)	25.1 (9.9)
30	17.2 (0.68)	255 (171)	1,350 (300)	400 (90)	34.4 (13.5)	25.8 (10.2)
36	17.2 (0.68)	253 (170)	1,350 (300)	400 (90)	34.4 (13.5)	25.8 (10.2)
48	18.2 (0.72)	284 (191)	1,350 (300)	400 (90)	36.4 (14.3)	27.3 (10.7)

Ordering Information

Digit No:	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	D	X				D			9		R	I	2	
1 – 2	DX-Series Distribution Ultra-Fox = DX													
3 – 5	Fiber count: (see cable characteristics chart) = 002-048													
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: (outer armor)													
	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													
13 – 14	Indoor/Outdoor PVC jacket with Interlocking Armor = I2													

Example: 12-fiber distribution cable using 62.5µm Laser Ultra-Fox fiber, orange, PVC, printed in feet –

D X 0 1 2 D W L S 9 O R I 2