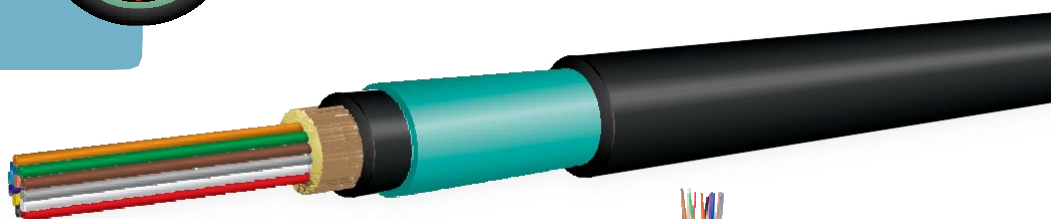
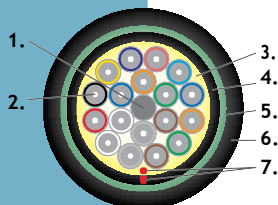




(4.5b) D-Series Distribution - Corrugated Steel Tape (CST) Armored Cables

1. Central Filler/Strength Member
2. Tight-Buffer Optical Fiber
3. Aramid Strength Member
4. Inner Jacket
5. Corrugated Steel Tape Armor
6. Outer Jacket
7. Ripcords



Applications

- Ideal for installation where direct burial or rodent protection is required

Features

- The steel-armor is easily removed with an internal ripcord, leaving a fully functional, intact riser-rated inner cable, with original cable markings for identification
- Armored jacket is an add-on option that can be applied to most outdoor and indoor/outdoor riser-rated cables
- Inner tight-buffered cable is suitable for direct field termination with standard optical connectors



Mechanical and Environmental Performance

	OUTDOOR
Operating temperature	-40 °C to +85 °C
Storage temperature	-55 °C to +85 °C
Installation temperature (cable temp.)	-10 °C to +60 °C
Crush resistance (TIA-455-41)	440 N/cm
Flex resistance (TIA-455-104)	25 cycles

Applicable Standards

OCC CST armored tight-buffered fiber optic cables meet or exceed the functional requirements of the following standards:

- TIA-568
- TIA-598
- ICEA S-104-696

(4.5b) D-Series Distribution - Corrugated Steel Tape (CST) Armored Cables

Cable Characteristics: CST Armored Cables (Using Distribution Series Riser Inner-Cable)

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	11.4 (0.45)	118 (79)	1,400 (310)	450 (100)	17.1 (6.7)	11.4 (4.5)
4	11.4 (0.45)	118 (79)	1,400 (310)	450 (100)	17.1 (6.7)	11.4 (4.5)
6	11.4 (0.45)	118 (79)	1,400 (310)	450 (100)	17.1 (6.7)	11.4 (4.5)
8	11.4 (0.45)	121 (81)	1,600 (360)	525 (120)	17.1 (6.7)	11.4 (4.5)
10	12.3 (0.48)	138 (93)	1,800 (400)	600 (135)	18.5 (7.3)	12.3 (4.8)
12	13.4 (0.53)	160 (108)	2,700 (600)	900 (200)	20.1 (7.9)	13.4 (5.3)
18	13.4 (0.53)	160 (108)	2,700 (600)	900 (200)	20.1 (7.9)	13.4 (5.3)
24	14.9 (0.59)	190 (128)	3,000 (670)	1,000 (220)	22.4 (8.8)	14.9 (5.9)
30	15.5 (0.61)	207 (139)	3,000 (670)	1,000 (220)	23.3 (9.2)	15.5 (6.1)
36	15.5 (0.61)	205 (138)	3,000 (670)	1,000 (220)	23.3 (9.2)	15.5 (6.1)
48	16.5 (0.65)	233 (157)	4,200 (940)	1,400 (310)	24.8 (9.8)	16.5 (6.5)
60	18.9 (0.77)	292 (196)	4,800 (1,080)	1,600 (360)	28.4 (11.2)	18.9 (7.4)
72	20.9 (0.82)	358 (241)	5,400 (1,210)	1,800 (400)	31.4 (12.4)	20.9 (8.2)
84	21.4 (0.84)	382 (257)	6,000 (1,350)	2,000 (450)	32.1 (12.6)	21.4 (8.4)
96	22.4 (0.88)	410 (276)	6,000 (1,350)	2,000 (450)	33.6 (13.2)	22.4 (8.8)
108	23.5 (0.93)	453 (304)	6,000 (1,350)	2,000 (450)	35.3 (13.9)	23.5 (9.3)
120	24.5 (0.96)	484 (325)	6,000 (1,350)	2,000 (450)	36.8 (14.5)	24.5 (9.6)
132	25.0 (0.98)	502 (337)	6,000 (1,350)	2,000 (450)	37.5 (14.8)	25.0 (9.8)
144	26.3 (1.04)	556 (374)	6,000 (1,350)	2,000 (450)	39.5 (15.6)	26.3 (10.4)

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

See application engineering note:
Interlocking Armor Cable Pulling Grip Installation Procedure available online at www.occfiber.com.

Ordering Information

	D	X				D				9	K	A	A	2
Digit No:	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 - 2	Distribution Series Laser 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, pg. 116)													
10	Ultra-Fox fiber with 900µm tight-buffer = 9													
11	Jacket color: Black = K													
12	Rating: None/outdoor = A													
13 - 14	Corrugated Steel Tape Armor with Polyethylene Jacket = A2													

Example: 144-fiber CST armored distribution cable using OM3 laser optimized bend-insensitive fiber, black jack

D X 1 4 4 D S L X 9 K A A