

Offering the durability you expect from OCC, these Aluminum Interlocking Armored distribution cables provide all of the indispensable elements needed for Indoor and Indoor/Outdoor commercial applications while providing great value. Manufactured with Indoor/Outdoor grade low smoke PVC for plenum applications.

CABLE CHARACTERISTICS

JACKET COLOR	Aqua, Black, Orange, or Yellow
JACKET MATERIAL	Indoor / Outdoor Low Smoke PVC
BUFFER MATERIAL	Low Smoke PVC

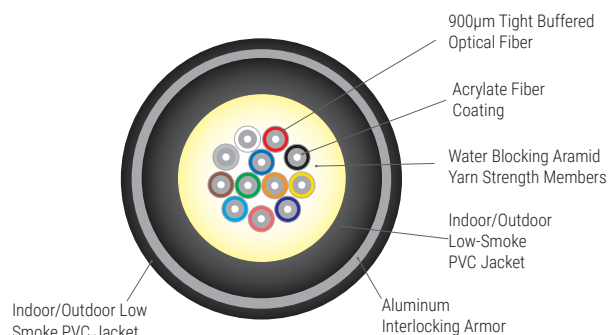
MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

MECHANICAL PERFORMANCE	ICEA S-104-696
FLEX RESISTANCE	25 CYCLES
CRUSH RESISTANCE	650 N/CM
OPERATING TEMPERATURE	-40°C to +70°C
STORAGE TEMPERATURE	-40°C to +70°C
INSTALLATION TEMPERATURE (ACTUAL TEMPERATURE OF CABLE)	0°C to +60°C
FLAME RETARDANCY	UL Listed Type OFCP NFPA262 and FT6 (CSA C22.2 No. 232)

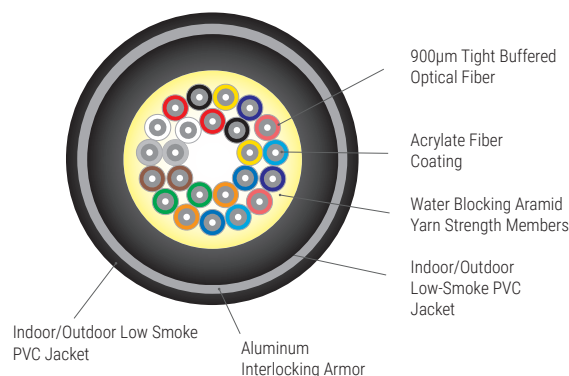
CABLE CHARACTERISTICS

FIBER COUNT	DIAMETER MM (IN)	WEIGHT KG/KM (LBS/1,000FT)	TENSILE LOAD		MINIMUM BEND RADIUS	
			INSTALLATION N (LBS)	OPERATIONAL N (LBS)	INSTALLATION CM (IN)	LONG-TERM CM (IN)
4	12.6 (0.50)	140 (94)	660 (150)	200 (45)	25.2 (9.9)	18.9 (7.4)
6	12.6 (0.50)	142 (95)	660 (150)	200 (45)	25.2 (9.9)	18.9 (7.4)
8	13.1 (0.52)	153 (103)	660 (150)	200 (45)	26.2 (10.3)	19.7 (7.8)
12	13.6 (0.54)	169 (114)	660 (150)	200 (45)	27.2 (10.7)	20.4 (8.0)
18	14.6 (0.57)	196 (131)	1320 (300)	400 (90)	29.2 (11.5)	21.9 (8.6)
24	14.6 (0.57)	202 (135)	1320 (300)	400 (90)	29.2 (11.5)	21.9 (8.6)

12 FIBER DZ-ILA SERIES CABLE



24 FIBER DZ-ILA SERIES CABLE



OCC ROANOKE, VA

Corporate Headquarters and Fiber Optic Cable
Manufacturing Facility
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540.265.0690 or 800.622.7711

OCC DALLAS, TX

Harsh Environment and Specialty Connectivity
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OCC ASHEVILLE, NC

Enterprise Connectivity
Manufacturing Facility
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VISIT US AT
OCCFIBER.COM

LASER GRADE FIBER PERFORMANCE

Fiber Code ¹	Industry Standard Designation	Core/Cladding Diameter (μm)	Numeric Aperture	Wavelength (nm)	Gigabit Ethernet Distance (m)	10-Gigabit Ethernet Distance (m)	Max. Cabled Attenuation (dB/km)	Minimum Laser EMB Bandwidth* (MHz-km)	Minimum OFL LED Bandwidth** (MHz-km)
WLS	OM1 ISO/IEC11801	62.5/125	0.275	850/1310	300/600	33/300 ¹	3.5/1.5	220/500	200/500
ALT	Laser Optimized OM3 Bend Insensitive ISO/IEC 11801	50/125	0.20	850/1310	1000/600	300/300 ²	3.5/1.5 ³	2000/500	1500/500
ALE	Laser Optimized OM4 Bend Insensitive ISO/IEC 11801	50/125	0.20	850/1310	1040/600	550/300 ²	3.5/1.5 ³	4700/500	3500/500
SLX	Low Water Peak Single-Mode ITU-T G.652.D	9 ⁴ /125	—	1310/1550	5 km ⁴	10 km ⁵	0.5/0.5	—	—
SLA	Bend Insensitive, Low Water Peak Single-Mode ITU-T G.657.A1 and ITU-T G.652.D	9 ⁴ /125	—	1310/1550	5 km ⁴	10 km ⁵	0.5/0.5	—	—

* Minimum Laser Effective Modal Bandwidth (EMB)

** For backward compatibility to LED based systems, overfilled launch (OFL)

¹ 1310 nm CWDM lasers (10GBASE-LX4)

² Reach assuming 3.0 dB maximum cabled attenuation at 850 nm and 1.3 dB total connection and splice loss

³ Supports 220 meter 10GBASE-LRM distance, or 300 meter 10GBASE-LRM distance with 300 meter capable equipment

⁴ 3.5/1.5 dB/km maximum attenuation applies for all D-Series cables greater than 36 fibers, and for all D-Series cables with armor (corrugated steel tape or interlocked armor) or any other secondary outer jacketing

⁵ 10 km for 1310 nm 1000BASE-LX10, and 5 km for 1310 nm 1000BASE-LX

⁶ 10 km for 1310 nm 10GBASE-LR, and 40 km for 1550 nm 10GBASE-ER

⁷ Typical Mode Field Diameter at 1310 nm

ORDERING INFORMATION

SERIES		FIBER COUNT				JACKET TYPE	FIBER CODE			TIGHT BUFFER	JACKET COLOR	RATING	REINFORCEMENT	
D	Z					T				9		P	I	8
1	2	3	4	5	6	7	8	9	10	11	12	13	14	

Box No: 1 – 2 Distribution Series Ultra-Fox Cable = **DZ**

3 – 5 Fiber Count = **004-024**

6 Jacket Type: Indoor/Outdoor Low Smoke PVC = **T**

7 – 9 Fiber Code: (See Table Above)

10 Ultra-Fox Fiber with 900μm Tight-Buffer = **9**

11 Standard Jacket Color:

Any Fiber Type: Black = **K**

Multimode (OM1): Orange = **O**

Multimode (OM3, OM4): Aqua = **Q**

Single-Mode (SLX, SLA): Yellow = **Y**

12 Rating: Plenum = **P**

13-14 Reinforcement: Aluminum Interlocking Armor (ILA) with Indoor/Outdoor Low Smoke PVC = **I8**

Example: 12 Fiber Indoor/Outdoor Cable Using Laser Ultra-Fox™ Low Water Peak, Bend Insensitive, Single-Mode Fiber, Plenum Rated, Yellow Jacket, with Aluminum Interlocking Armor (ILA)

D	Z	0	1	2	T	S	L	X	9	Y	P	I	8
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