

96 & 144 Micro Distribution Aluminum Interlocked Armor, Plenum



Features and Benefits

- Provides superior crush resistance for added protection
- Eliminates the need for inner duct or conduit thus saving installation time
- 96 & 144 fiber count

Description

The Light Connection multi-tube Micro Distribution Aluminum Interlocked Armor is composed of eight or twelve buffer tubes, water blocking yarn, a central strength member, an aramid ripcord, and a PVC outer jacket. Each buffer tube consists of a 12 colored glass fibers and aramid yarn with a PVC jacket 2.5mm in diameter. All component materials meet the EU RoHS and REACH Directive standards. Buffer tubes may be color-coded or sequentially numbered.

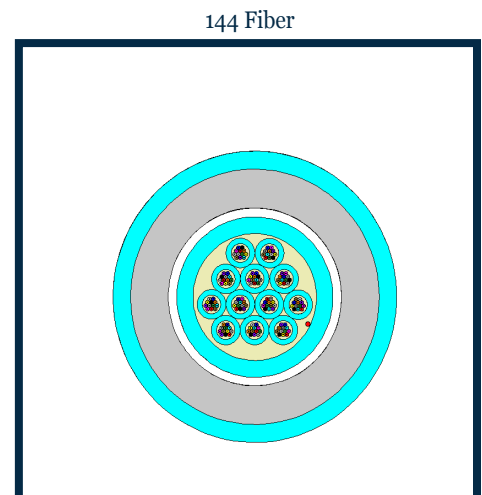
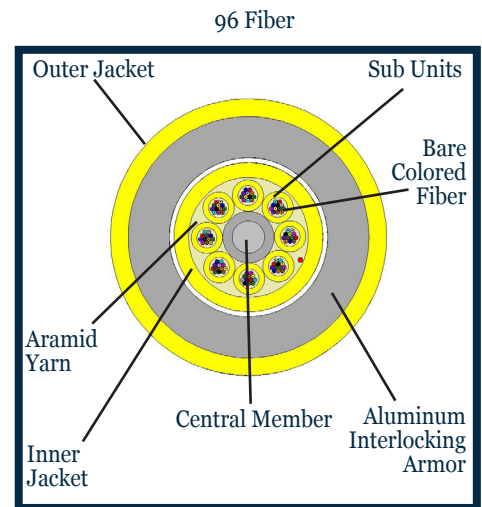
TLC Micro Distribution Aluminum Interlocking Armor is available in 12 TIA standard colors. UL Listed OFNP cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print may also be accommodated.

Application

Plenum
Duct
Indoor/Outdoor

Flame Rating

NFPA262
FT6



SPECIFICATIONS

Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	0 C to +70 C

Cable Characteristics

Fiber Count	96/144
Outer Jacket Material	PVC
Buffer Tubes	PVC
Strength Member	Aramid Yarn
Central Strength Member	Fiber Reinforced Rod
Coating on Central Strength Member	Flame Retardant PVC (96 fiber only)

Physical Characteristics

	Value 96/144 (fiber count)
Nominal Outer Diameter (mm)	17.25 / 19.3
Weight (lbs/ km)	725 / 787
Minimum Bend Radius (cm)	34.5 / 38.6

Optical Characteristics

Items	Single Mode	OM1	OM2	OM3	OM4 (OM4+)	OM5 WB MMF
Core Size [μm]	9	62.5	50	50	50	50
Wavelength [nm]	1310/1550	850/1300	850/1300	850/1300	850/1300	850/1300
Max. Attenuation [dB/km]	0.5/0.4	3.5/1.5	3.5/1.5	3.0/1.0	3.0/1.0	3.0/1.0
Link Length [m]	10,000/5,000 (1/10 Gb/s@1550nm)	300 (1Gb/s@850nm)	150 (10Gb/s@850nm)	300 (10Gb/s@850nm)	550(600) (10Gb/s@850nm)	550 (10Gb/s@850nm)
Bandwidth (EMB High Performance) [MHZ.km]		220 @850	750 @850	2,000 @850	4,700 @850	4,700 @850

Part Numbers

Fiber Count	Single Mode	OM1	OM2-OM5
96	S09MD96**NPY25-AIA	M62MD96**NPO25-AIA	M50MD96**NPA25-AIA
144	S09MD144**NPY25-AIA	M62MD144**NPO25-AIA	M50MD144**NPA25-AIA

Fiber Type (9/125)	**
SMF-28 Ultra	CZ
ClearCurve LBL	C7
ClearCurve ZBL	CC

Fiber Type (50/125)	**
ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4
ClearCurve OM5	C5

Fiber Type (62.5/125)	**
InfiniCor 300	C3



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