

2-144 Fiber Dry Loose Tube Indoor/Outdoor Aluminum Interlocking Armored Cable, Plenum

www.TheLightConnection.com

Features and Benefits

- Provides superior crush resistance for added protection
- Eliminates the need for inner duct or conduit thus saving installation time
- OFCR and OFCP ratings allow AIA products to be installed throughout the facility

Description

The Light Connection, Inc. 2 to 144 fiber Dry Loose Tube Aluminum Interlocking Armored cable consists of a PVC overall jacket, PVC inner jacket with a standard TLC 2 to 144 fiber Dry Loose Tube Indoor/Outdoor core cable (Ask your TLC representative for core cable specifications). The core cable is protected by a spirally-wrapped aluminum strip that offers easy installation and high crush resistance.

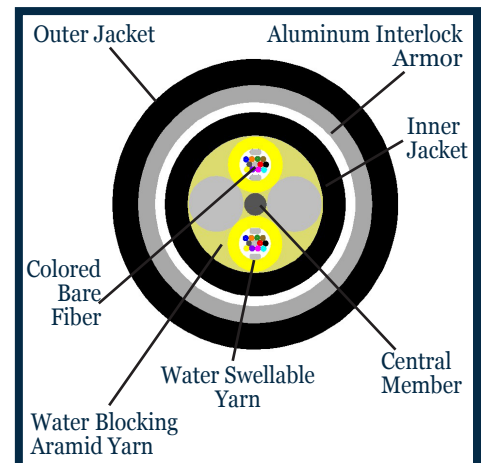
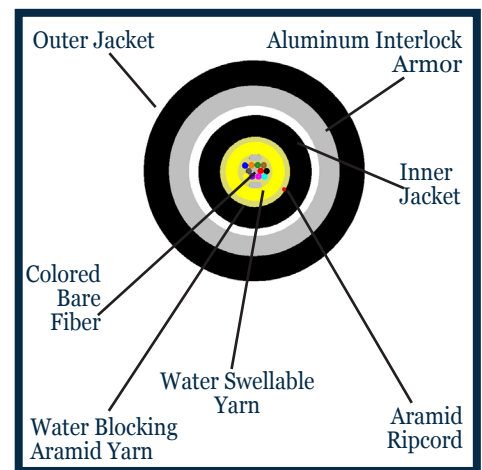
TLC Dry Loose Tube AIA Cable is available in 12 TIA standard colors or special-order colors. UL Listed OFCP cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print may also be accommodated.

Application

Plenum
Duct

Flame Rating

NFPA 262



SPECIFICATIONS

Temperature Range

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

Cable Characteristics

Fiber Count	2-144
Strength Member	Aramid Yarn
Overall Jacket Material	Poly Vinyl Chloride
Inner Jacket Material	Poly Vinyl Chloride (96 & 144 Fiber Count is PVDF)
Armoring Material	Aluminum

Mechanical Characteristics

Value (2-12, 24-48, 72, 96, 144 fiber count)

Nominal Outer Diameter (mm)	13.0 / 16.2 / 19.4 / 23.7 / 23.7
Bend Radius (cm)	26.0 / 32.4 / 38.8 / 47.4 / 47.4
Weight (lbs/ km)	358 / 532 / 730 / 843 / 906

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]	1,310/1,550	850/1,300	850/1,300	850/1,300	850/1,300	850/1,300
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
2-12	S09DL###NPBL25-AIA2	M62DL###NPBL25--AIA2	M50DL###NPBL25--AIA2
24-48	S09DL###NPBL25--AIA2	M62DL###NPBL25--AIA2	M50DL###NPBL25--AIA2
72	S09DL###NPBL25--AIA	M62DL###NPBL25--AIA	M50DL###NPBL25--AIA
96-144	S09DL###NPBL25--AIA	M62DL###NPBL25--AIA	M50DL###NPBL25--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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