

2-72 Fiber, Micro Distribution Aluminum Interlocking Armored Cable, Riser

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

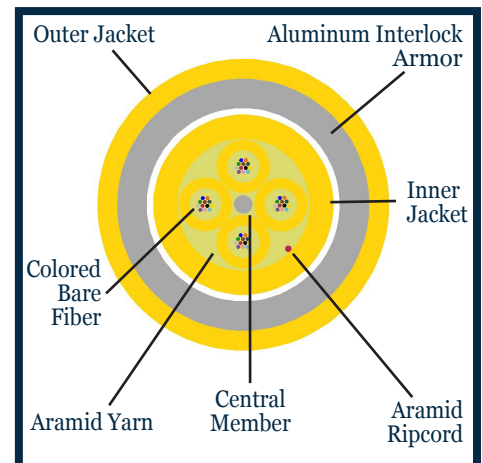
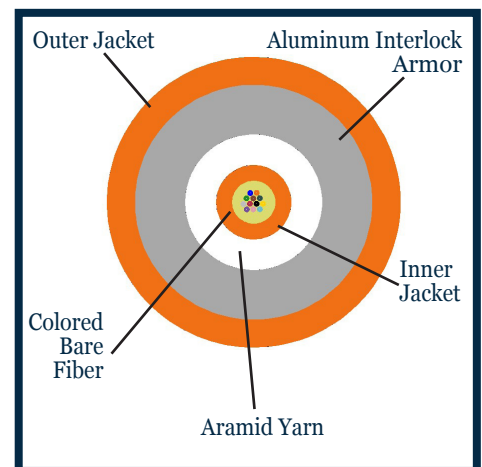
Description

The Light Connection, Inc. 2 to 72 fiber Micro Distribution Aluminum Interlocking Armored cable consists of PVC overall jacket, PVC inner jacket with a standard TLC 2 to 72 fiber Micro Distribution core cable (Ask your TLC representative for core cable specifications). The Micro Distribution core cable is protected by a spirally-wrapped aluminum strip that offers easy installation and high crush resistance.

TLC Micro Distribution AIA Cable is available in 12 TIA standard colors or special-order colors. UL Listed OFCR 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
Riser

Flame Rating
UL 1666



SPECIFICATIONS

Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	-20 C to +70 C

Cable Characteristics

Fiber Count	2-72
Strength Member	Aramid Yarn
Overall Jacket Material	Poly Vinyl Chloride
Inner Jacket Material	Poly Vinyl Chloride
Armoring Material	Aluminum

Mechanical Characteristics

Value (2-12 / 24, 36 / 48 / 72 fiber count)

Nominal Outer Diameter (mm)	11.6 / 16.2 / 17.45 / 19.25
Bend Radius (cm)	23.2 / 32.4 / 34.9 / 38.5
Weight (lbs/ km)	252 / 438 / 582 / 742

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 (1/10Gb/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	OM3-OM4	OM5
## (2 - 12)	S09MD##**NRY-AIA2	M62MD##**NRO-AIA2	M50MD##**NRO-AIA2	M50MD##**NRA-AIA2	M50MD##**NRLG-AIA2
## (24 - 36)	S09MD##**NRY-AIA2	M62MD##**NRO-AIA2	M50MD##**NRO-AIA2	M50MD##**NRA-AIA2	M50MD##**NRLG-AIA2
## (48 - 72)	S09MD##**NRY-AIA	M62MD##**NRO-AIA	M50MD##**NRO-AIA	M50MD##**NRA-AIA	M50MD##**NRLG-AIA

Fiber Type (9/125)	**	Fiber Type (50/125)	**	Fiber Type (62.5/125)	**
SMF-28 Ultra	CZ	ClearCurve OM2	C2	InfiniCor 300	C3
ClearCurve LBL	C7	Clear Curve OM3	CG		
ClearCurve ZBL	CC	ClearCurve OM4	C4		
		ClearCurve OM4	C5		



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