

# 2-72 Fiber, Micro Distribution Aluminum Interlocking Armored Cable, Plenum



## Features and Benefits

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

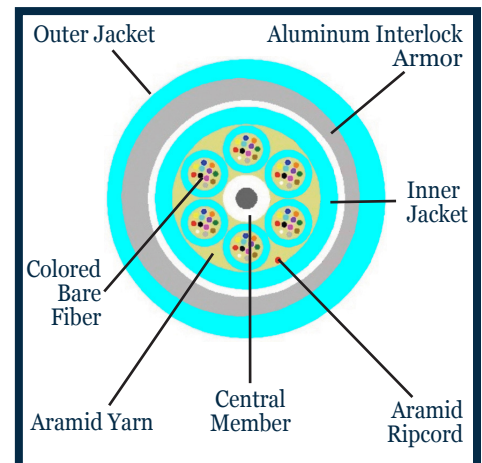
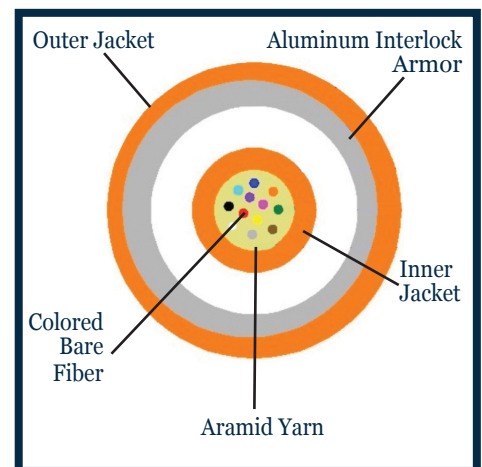
## Description

TLC 2 to 72 fiber Micro Distribution Aluminum Interlocking Armored cable consists of PVC overall jacket, PVC inner jacket with 2 to 72 colored fiber surrounded by aramid yarn acting as a strength member.

The core is protected by a spirally-wrapped aluminum strip that offers easy installation and high crush resistance. These cables are available in OFCP rated constructions.

**Application**  
Plenum

**Flame Rating**  
NFPA262



# SPECIFICATIONS

## Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	0 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
Nominal Outer Diameter (2-12/ 24, 36/ 48/ 72) (mm)	11.6/ 13.0/ 17.45/ 19.25
Bend Radius (2-12/ 24, 36/ 48/ 72) (cm)	23.2/ 26.0/ 34.9/ 38.5
Weight (2-12/ 24/ 36/ 48/ 72) (lbs/ km)	274/ 455/ 480/ 530/ 672

## Optical Characteristics

Items	Single Mode	InfiniCor 300	OM2	OM3	OM4
Core Size	9 um	62.5 um	50 um	50 um	50 um
Wavelength	(1310/ 1550) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm
Max. Attenuation	(0.5/ 0.4) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km
Bandwidth (EMB) (High Performance)	–	220 MHz @850nm	850 MHz @850nm	2000 MHz @850nm	4700 MHz @850nm
Link Length (10Gb/ s)	–	–	150 mtr	300 mtr	550 mtr

## Part Numbers

Fiber Count	Single Mode	InfiniCor 300	OM2	OM3	OM4
## (2 - 12)	S09MD###NPY-Y-AIA2	M62MD###NPO-O-AIA2	M50MD###NPO-O-AIA2	M50MD###NPA-A-AIA2	M50MD###NPA-A-AIA2
## (24 - 36)	S09MD###NPY-Y-AIA2	M62MD###NPO-O-AIA2	M50MD###NPO-O-AIA2	M50MD###NPA-A-AIA2	M50MD###NPA-A-AIA2
## (48 - 72)	S09MD###NPY-Y-AIA	M62MD###NPO-O-AIA	M50MD###NPO-O-AIA	M50MD###NPA-A-AIA	M50MD###NPA-A-AIA

### Fiber Type (9/125) \*\*

SMF-28 Ultra	CZ
SMF28e+	C
ClearCurve XB	CB
ClearCurve LBL	C7
ClearCurve ZBL	CC

### Fiber Type (50/125) \*\*

ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4

### Fiber Type (62.5/125) \*\*

InfiniCor 300	C3
InfiniCor 1000	C1



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