

# 2-24 Tight Buffered, 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 Tight Buffered Aluminum Interlocking Armored cable consists of PVC overall jacket, PVC inner jacket with 2 to 24 tight buffered fiber surrounded by yarn acting as a strength member.

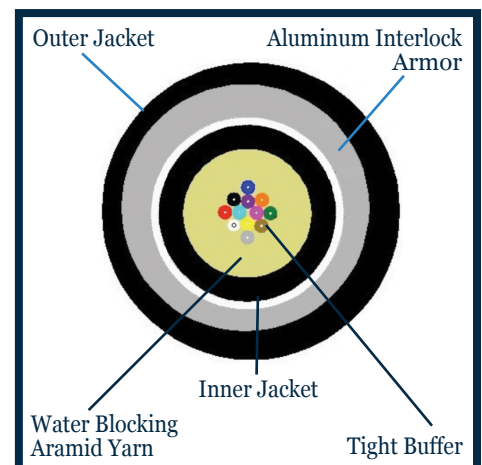
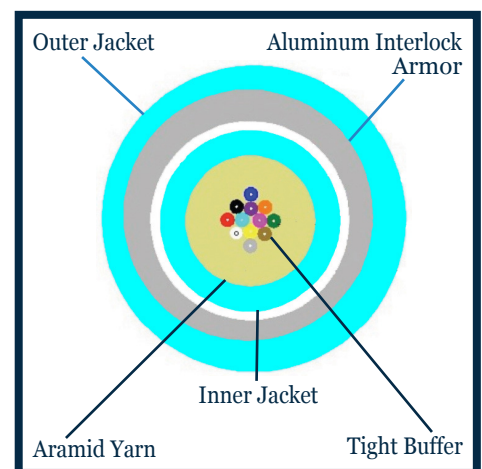
The core is protected by a spirally-wrapped aluminum strip that offers easy installation and high crush resistance. These cables are available in OFCP rated constructions.

## Application

Plenum  
Duct

## Flame Rating

NFPA262



# SPECIFICATIONS

Temperature Range	Indoor	Indoor/Outdoor
Storage Temperature	-40 C to +70 C	-40 C to +70 C
Operating Temperature	0 C to +70 C	-40 C to +70 C

Cable Characteristics	
Fiber Count	2 to 24
Strength Member	Aramid Yarn
Overall Jacket Material	Poly Vinyl Chloride
Inner Jacket Material	Poly Vinyl Chloride
Armoring Material	Aluminum

Mechanical Characteristics	Standards/ Value
Nominal Outer Diameter (2/ 4, 6/ 8, 12/ 24) mm	11.6/ 13.0/14.7/ 16.2
Bend Radius (2/ 4, 6/ 8, 12/ 24) cm	23.2/ 26.0/ 29.4/ 32.4
Weight (2/ 4/ 6/ 8/ 12/ 24) lbs/ km	291/ 332/ 344/ 406/ 434/ 490

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, 4 and 6	S09DI/IO###**NPY-AIA2	M62DI/IO###**NPO-AIA2	M50DI/IO###**NPA-AIA2	M50DI/IO###**NPA-AIA2	M50DI/IO###**NPA-AIA2
8 and 12	S09DI/IO###**NPY-AIA2	M62DI/IO###**NPO-AIA2	M50DI/IO###**NPA-AIA2	M50DI/IO###**NPA-AIA2	M50DI/IO###**NPA-AIA2
24	S09DI/IO24**NPY-AIA2	M62DI/IO24**NPO-AIA2	M50DI/IO24**NPA-AIA2	M50DI/IO24**NPA-AIA2	M50DI/IO24**NPA-AIA2

Fiber Type (9/125)	**	Fiber Type (50/125)	**	Fiber Type (62.5/125)	**
SMF-28 Ultra	CZ	ClearCurve OM2	C2	InfiniCor 300	C3
SMF28e+	C	Clear Curve OM3	CG	InfiniCor 1000	C1
ClearCurve XB	CB	ClearCurve OM4	C4		
ClearCurve LBL	C7				
ClearCurve ZBL	CC				



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