

The Light Connection Inc.

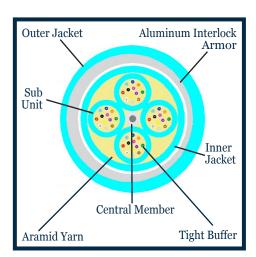
## **Features and Benefits**

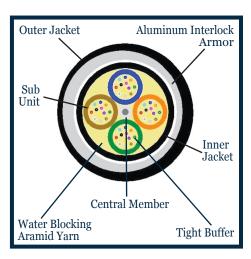
- Provides superior crush resistance for added protection
- Eliminates the need for inner duct or conduit thus saving installation time
- OFCR(Riser) rating allow AIA products to be installed throughout the facility

## **Description**

TLC Tight Buffered Aluminum Interlocking Armored cable consists of PVC overall jacket, PVC inner jacket with 48 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 OFCR rated constructions.





**Application** 

Riser Duct Flame Rating UL1666

## **S**PECIFICATIONS

Temperature Range	Indoor	Indoor/Outdoor
Storage Temperature	-40 C to +70 C	-40 C to +70 C
Operating Temperature	-20 C to +70 C	-40 C to +70 C

Cable Characteristics	
Fiber Count	48
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 (mm)	25.4
Bend Radius (cm)	50.8
Weight (lbs/ km)	910

Optical Characteristics					
Items	Single Mode	InfiniCor 300	OM2	OM <sub>3</sub>	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)	_	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
48	So9DI/IO48**NRY-Y-AIA	M50DI/IO48**NRO-O-AIA	M50DI/IO48**NR-O-AIA	M50DI/IO48**NRA-A-AIA	M50DI/IO48**NRA-AIA

Fiber Type (9/125)	**
SMF-28 Ultra	CZ
SMF28e+	С
ClearCurve XB	СВ
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









