

48 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 48 tight buffered fiber surrounded by yarn acting as a strength member.

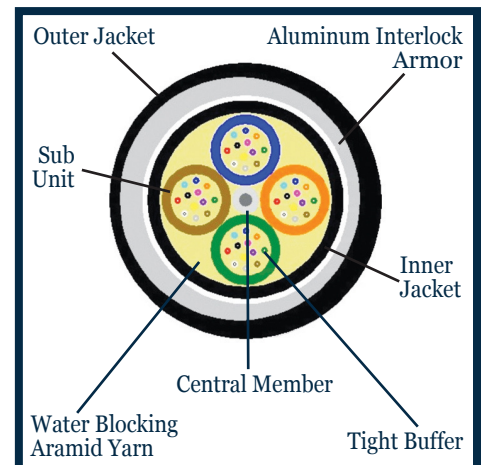
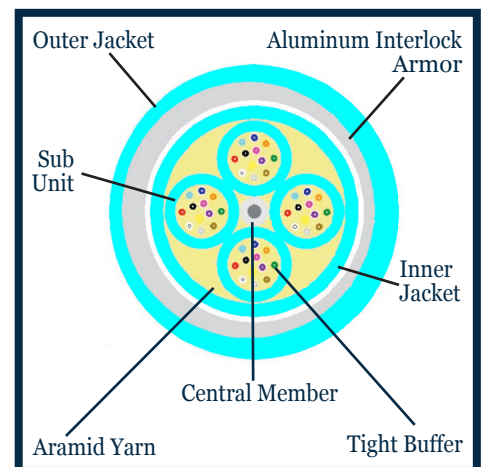
The core is protected by a spirally-wrapped aluminum strip that offers easy installation and high crush resistance. These cables are available in OFCP rated constructions.

Application

Plenum
Duct

Flame Rating

NFPA262



SPECIFICATIONS

Temperature Range	Indoor OFCP	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	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)	1050

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)	-	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	S09DI/IO48**NPY-Y-AIA	M50DI/IO48**NPO-O-AIA	M50DI/IO48**NPO-O-AIA	M50DI/IO48**NPA-A-AIA	M50DI/IO48**NPA-A-AIA

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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