

# TIGHT BUFFERED INTERLOCKING ARMORED (PLENUM-RATED) INDOOR/OUTDOOR CABLE



## DESCRIPTION

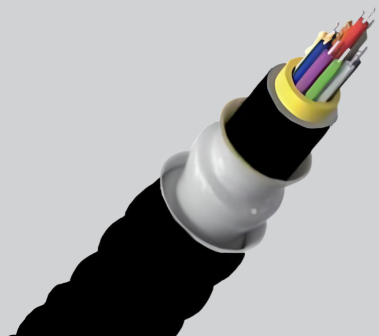
Indoor/Outdoor Tight-Buffer Plenum Cable with Aluminum Interlocking Armor. OS2, OM3, OM4.

## FEATURES

- Tight buffered construction
- Multimode (OM3/OM4) & Singlemode (OS2)
- Color-coded for easy identification
- OFCP Rated
- Rugged and high performance for extreme conditions
- Crush resistant
- Small size and light weight for limited conduit space
- Eliminates the need for inner duct or conduit thus saving installation time and cost

## APPLICATIONS

- FTTx deployments
- Suitable for indoor or outdoor use
- Backbone and computer room cabling
- Local area networks (LAN)
- High-security environments
- Inter-building connections



PART NUMBER	DESCRIPTION
273-A5006/P/BK	6-Fiber Tight Buffer, Plenum, OM3 Multimode, Armored, Black
273-A5012/P/BK	12-Fiber Tight Buffer, Plenum, OM3 Multimode, Armored, Black
273-A5024/P/BK	24-Fiber Tight Buffer, Plenum, OM3 Multimode, Armored, Black
274-A6006/P/BK	6-Fiber Tight Buffer Plenum, OM4 Multimode, Armored, Black
274-A6012/P/BK	12-Fiber Tight Buffer Plenum, OM4 Multimode, Armored, Black
274-A6024/P/BK	24-Fiber Tight Buffer Plenum, OM4 Multimode, Armored, Black
275-ASM06/P/BK	6-Fiber Tight Buffer, Plenum, OS2 Singlemode, Armored, Black
275-ASM12/P/BK	12-Fiber Tight Buffer, Plenum, OS2 Singlemode, Armored, Black
275-ASM24/P/BK	24-Fiber Tight Buffer, Plenum, OS2 Singlemode, Armored, Black

### Transmission Performance - Singlemode

Fiber Category	G657.A1
Max Attenuation	0.36 dB/km / 0.25 dB/km
Wavelengths	1310 nm / 1550 nm

### Transmission Performance - Multimode

Fiber Category	OM3, OM4
Max Attenuation	3.0 dB/km / 1.0 dB/km
Wavelengths	850 nm / 1300 nm

### Installation Requirements — Mechanical & Environmental

Construction	Single Unit		
Fiber Count	6	12	24
O.D.	0.51 in. (13.0 mm)	0.55 in. (14 mm)	0.64 in. (16.3 mm)
Weight	108 lb/1,000 ft (160 kg/km)	115 lb/1,000 ft (172 kg/km)	135 lb/1,000 ft (201 kg/km)
Crush Resistance	100 N / cm		
Max Tensile Strength (Short-Term / LongTerm)	1200 N (270 lbf)		
Min. Bend Radius (Installation)	20 x cable O.D.		
Min. Bend Radius (Operation)	10 x cable O.D.		
Temperature Range (Installation)	-30°C to +70°C (-22°F to 158°F)		
Temperature Range (Storage)	-40°C to +70°C (-40°F to 158°F)		
Temperature Range (Operation)	-40°C to +70°C (-40°F to 158°F)		

**VERTICAL CABLE**

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York

713.322.7242 Texas



[www.verticalcable.com](http://www.verticalcable.com)

Rev. 07/2025

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

General Specifications	
Tight Buffer	Plenum Rated PVC (Polyvinyl Chloride)
Strength Member	Water Blocking Aramid Yarn
Fiber Type	Single-Mode (OS2), Multi-Mode (OM3, OM4)
Armor Material	Aluminum
Outer Jacket Material	Plenum Rated PVC (Polyvinyl Chloride)
Jacket Color	Black

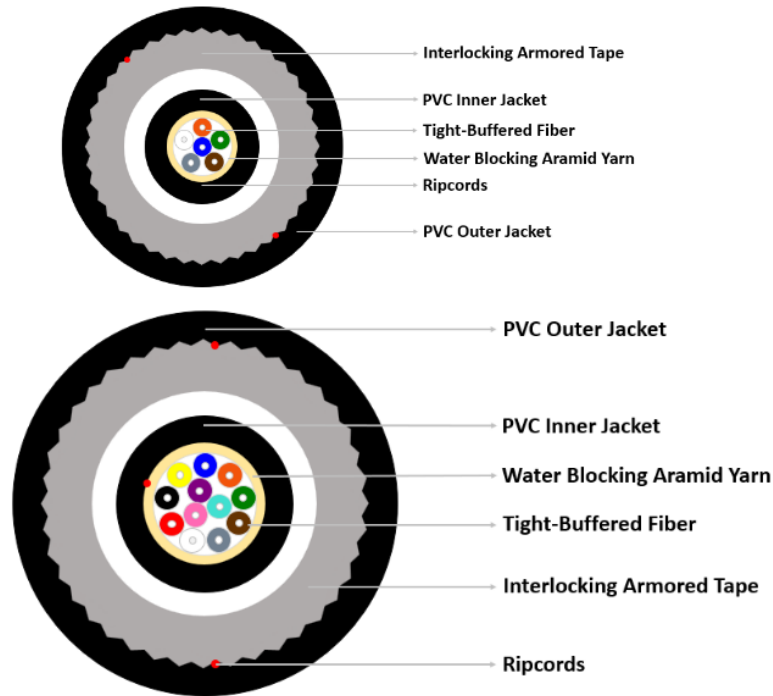
\*The values of fiber attenuation loss change are the results measured after all tests have been completed.

Standards	
RoHS	Free of hazardous substances as defined by RoHS 2011/65/EU.
IEC60794	Basic requirements and quality control for optical fiber and cable elements in accordance with IEC 60794.
ANSI/ICEA S-87-640	Cable constructions meet the ANSI/ICEA S-87-640 standard as it is inherently covered through our compliance with IEC requirements.
UL Certification	Distribution and Interlocking Armored cable types are manufactured in strict adherence to UL standards, ensuring high safety and reliability.

### Fiber & Tube Coloring

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
13	14	15	16	17	18	19	20	21	22	23	24
Blue*	Orange*	Green*	Brown*	Slate*	White*	Red*	Natural	Yellow*	Violet*	Pink*	Aqua*

\*With one black stripe



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