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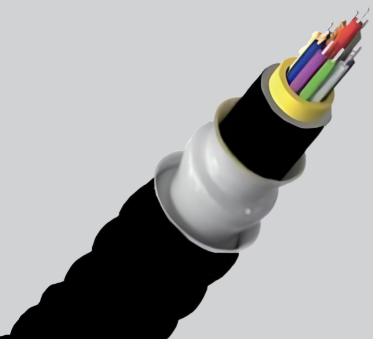
VERTICAL CABLE

DESCRIPTION

Indoor/Outdoor Tight-Buffer Plenum Cable with Aluminum Interlocking Armor. Multimode OM4

FEATURES

- **Tight buffered construction**
- **Multimode OM4**
- **Color-coded for easy identification**
- **OFCP Rated**
- **Rugged and high performance**
- **Crush resistant**
- **Small size and light weight for limited conduit space**
- **Eliminates the need for inner duct or conduit thus saving installation time**

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
274-A6006/P/BK	6-Fiber Tight Buffer Plenum, OM4 Multimode, Black
274-A6012/P/BK	12-Fiber Tight Buffer Plenum, OM4 Multimode, Black
274-A6024/P/BK	24-Fiber Tight Buffer Plenum, OM4 Multimode, Black

Transmission Performance	
Fiber Category	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 / 100 mm		
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)		

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.

VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
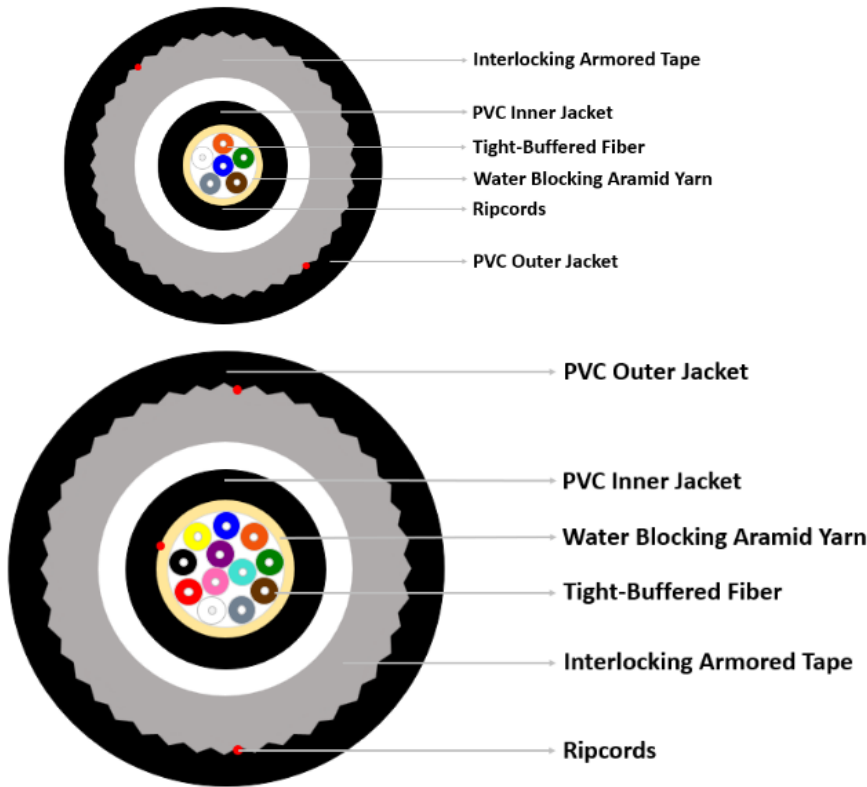**845.391.8318 New York**
713.322.7242 Texas

VCfiber

RoHS

UL CERTIFIED

www.verticalcable.com

General Specifications

Tight Buffer	Plenum Rated PVC (Polyvinyl Chloride)
Strength Member	Water Blocking Aramid Yarn
Fiber Type	OM4
Armor Material	Aluminum
Outer Jacket Material	Plenum Rated PVC (Polyvinyl Chloride)
Jacket Color	Black

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

- Interlocking Armored Tape
- PVC Inner Jacket
- Tight-Buffered Fiber
- Water Blocking Aramid Yarn
- Ripcords
- PVC Outer Jacket

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