



# INDOOR/OUTDOOR TIGHT BUFFERED (PLENUM-RATED) Optical Fiber Distribution Cable

## DESCRIPTION

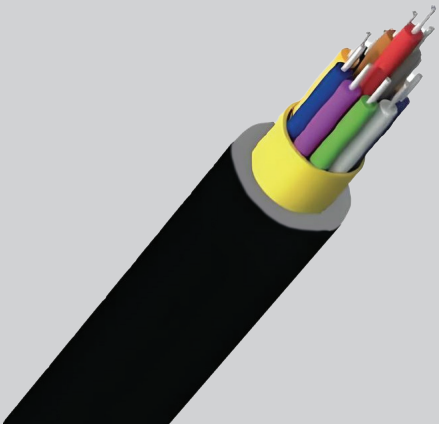
Indoor/Outdoor Tight-Buffer Plenum Cable  
6-, 12-, 24-Fiber  
Singlemode and Multimode

## FEATURES

- Tight buffered construction
- Singlemode (OS2) or Multimode (OM1, OM3, OM4)
- Color-coded for easy identification
- OFNP Rated (Plenum Rated)
- Rugged and high performance
- Small size and light weight for limited conduit space
- Suitable for lashed aerial, duct, underground conduit and indoor plenum applications
- RoHS compliant

## APPLICATIONS

- FTTx Networks
- Indoor/Outdoor
- Backbone & computer room cabling



### PART NUMBERS — 6, 12, 24 FIBERS

271-1006/P/BK	6-Fiber Tight Buffer OM1, Plenum, Multimode, Black
271-1012/P/BK	12-Fiber Tight Buffer OM1, Plenum, Multimode, Black
273-3006/P/BK	6-Fiber Tight Buffer OM3, Plenum, Multimode, Black
273-3012/P/BK	12-Fiber Tight Buffer OM3, Plenum, Multimode, Black
273-3024/P/BK	24-Fiber Tight Buffer OM3, Plenum, Multimode, Black
274-4006/P/BK	6-Fiber Tight Buffer OM4, Plenum, Multimode, Black
274-4012/P/BK	12-Fiber Tight Buffer OM4, Plenum, Multimode, Black
274-4024/P/BK	24-Fiber Tight Buffer OM4, Plenum, Multimode, Black
275-SM006/P/BK	6-Fiber Tight Buffer OS2, Plenum, Singlemode, Black
275-SM012/P/BK	12-Fiber Tight Buffer OS2, Plenum, Singlemode, Black
275-SM024/P/BK	24-Fiber Tight Buffer OS2, Plenum, Singlemode, Black

### Transmission Performance (SINGLEMODE)

Fiber Category	OS2
Max Attenuation	0.36 dB/km / 0.25 dB/km
Wavelengths	1310 nm / 1550 nm

### Transmission Performance (MULTIMODE)

Fiber Category	OM1	OM3	OM4
Max Attenuation	3.4 dB/km / 1.0 dB/km	3.0 dB/km / 1.0 dB/km	3.0 dB/km / 1.0 dB/km
Wavelengths	850 nm / 1300 nm	850 nm / 1300 nm	850 nm / 1300 nm

### Installation Requirements — Mechanical & Environmental

	Single Unit		Sub Unit
Construction			
Fiber Count	6	12	24
O.D.	0.19 in. (4.8 mm)	0.23 in. (5.8 mm)	0.33 in. (8.4 mm)
Weight	15 lb/1,000 ft (22 kg/km)	22 lb/1,000 ft (33 kg/km)	46 lb/1,000 ft (68 kg/km)
Crush Resistance	1,000 N / 100 mm		
Max Tensile Strength (Short-Term / LongTerm)	570 N / 171 N (128 lbf / 39 lbf)	712 N / 214 N (160 lbf / 48 lbf)	1282 N / 385 N (288 lbf / 87 lbf)
Min. Bend Radius (Installation)	10 x cable O.D.		
Min. Bend Radius (Operation)	20 x cable O.D.		
Temperature Range (Installation)	-10°C To +60°C (14°F To 140°F)		
Temperature Range (Storage)	-20°C To +60°C (-4°F To 140°F)		
Temperature Range (Operation)	-20°C To +60°C (-4°F To 140°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)

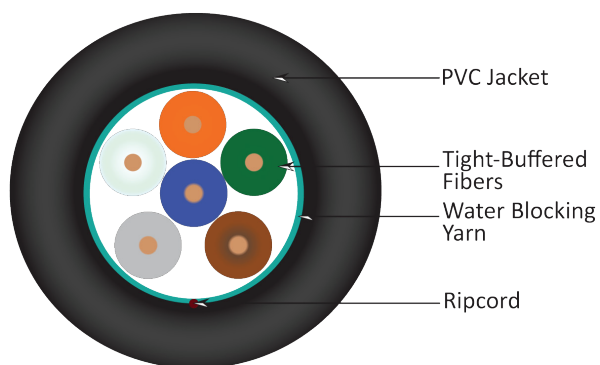
Rev. 11/2024

Specs subject to change without notice.  
It is the sole responsibility of the user to have the most current specs.

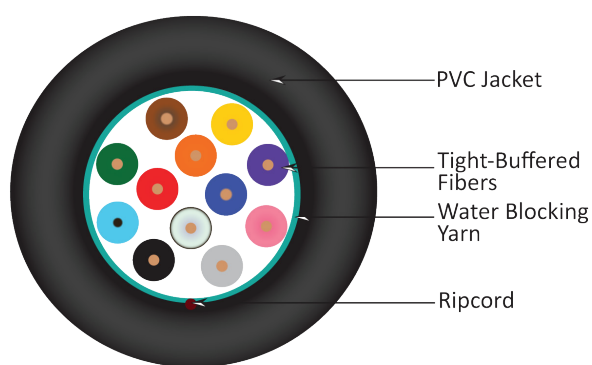
General Specifications	
Tight Buffer	Plenum Rated PVC (Polyvinyl Chloride)
Strength Member	Water Blocking Aramid Yarn
Fiber Type	Singlemode (OS2), Multimode (OM1, OM3, OM4)
Outer Jacket Material	Plenum Rated PVC (Polyvinyl Chloride)
Jacket Color	Black
Jacket Printing (OM1)	VERTICAL CABLE FIBER "X"-FIBER 62.5/125 OM1 TIGHT BUFFER INDOOR/OUTDOOR PLENUM CABLE E469705 OFNP (UL) U2662 11/24 (1416) XXXX FEET
Jacket Printing (OM3)	VERTICAL CABLE FIBER "X"-FIBER 50/125 OM3 TIGHT BUFFER INDOOR/OUTDOOR PLENUM CABLE E469705 OFNP (UL) U2662 11/24 (1416) XXXX FEET
Jacket Printing (OM4)	VERTICAL CABLE FIBER "X"-FIBER 50/125 OM4 TIGHT BUFFER INDOOR/OUTDOOR PLENUM CABLE E469705 OFNP (UL) U2662 11/24 (1416) XXXX FEET
Jacket Printing (OS2)	VERTICAL CABLE FIBER "X"-FIBER 8.3/125 OS2 TIGHT BUFFER INDOOR/OUTDOOR PLENUM CABLE E469705 OFNP (UL) U2662 11/24 (1416) XXXX FEET

### Tight Buffer & Tube Coloring

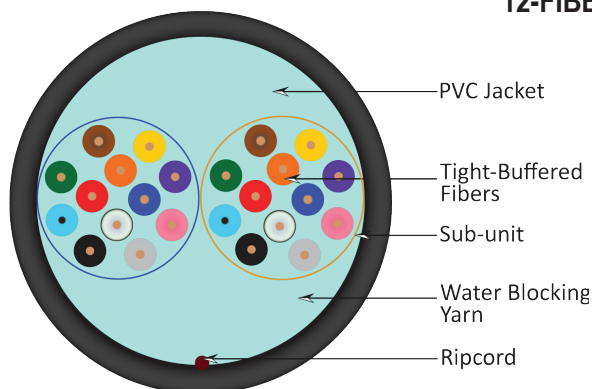
1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
13	14	15	16	17	18	19	20	21	22	23	24
Blue*	Orange*	Green*	Brown*	Slate*	White*	Red*	Black*	Yellow*	Violet*	Pink*	Aqua*



6-FIBER



12-FIBER



24-FIBER

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