



VERTICAL CABLE

OPTICAL FIBER PLENUM CABLE - TIGHT BUFFER SINGLEMODE/MULTIMODE ARMORED

273-275 SERIES

DESCRIPTION

Indoor/Outdoor Tight-Buffer Plenum Cable with Aluminum Interlocking Armor OS2, OM3, OM4. (Suitable for underground conduit)

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
- Suitable for underground conduit
- Backbone and computer room cabling
- Local area networks (LAN)
- High-security environments
- Inter-building connections



PART NUMBERS

273-A5006/P/BK	Ⓟ6F (6-Fiber)	ⓄM3 OM3 Multimode
273-A5012/P/BK	Ⓟ12F (12-Fiber)	ⓄM3 OM3 Multimode
273-A5024/P/BK	Ⓟ24F (24-Fiber)	ⓄM3 OM3 Multimode
274-A6006/P/BK	Ⓟ6F (6-Fiber)	ⓄM4 OM4 Multimode
274-A6012/P/BK	Ⓟ12F (12-Fiber)	ⓄM4 OM4 Multimode
274-A6024/P/BK	Ⓟ24F (24-Fiber)	ⓄM4 OM4 Multimode
275-ASM06/P/BK	Ⓟ6F (6-Fiber)	ⓄS2 OS2 Singlemode
275-ASM12/P/BK	Ⓟ12F (12-Fiber)	ⓄS2 OS2 Singlemode
275-ASM24/P/BK	Ⓟ24F (24-Fiber)	ⓄS2 OS2 Singlemode

MECHANICAL SPECIFICATIONS

Construction:	Single Unit		
Fiber Count:	6	12	24
Outer Diameter:	0.51 in. (13 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)
Max Tensile Strength:	1200 N (270 lbf)		
Crush Resistance:	100 N / cm		
Min. Bend Radius (Installation):	20 times x cable O.D.		
Min. Bend Radius (Operation):	10 times x cable O.D.		

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

GENERAL SPECIFICATIONS

Tight Buffer:	Plenum Rated PVC (Polyvinyl Chloride)
Strength Member:	Water Blocking Aramid Yarn
Fiber Type:	Singlemode (OS2), Multimode (OM3, OM4)
Aarmor Material:	Aluminum
Outer Jacket Material:	Plenum Rated PVC (Polyvinyl Chloride)
Jacket Color:	Black

Florida (HQ)
800-749-2447

California
951-696-7772

New York
845-391-8318

Texas
713-322-7242

verticalcable.com



fiber



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TRANSMISSION PERFORMANCE

	Singlemode	Multimode
Fiber Category:	G657.A1	OM3, OM4
Max Attenuation:	0.36 dB/km / 0.25 dB/km	3.0 dB/km / 1.0 dB/km
Wavelengths:	1310 nm / 1550 nm	850 nm / 1300 nm

ENVIRONMENTAL CONDITIONS

Temperature Range (Installation):	-22°F to 158°F (-30°C to +70°C)
Temperature Range (Storage):	-40°F to 158°F (-40°C to +70°C)
Temperature Range (Operation):	-40°F to 158°F (-40°C to +70°C)

STANDARDS

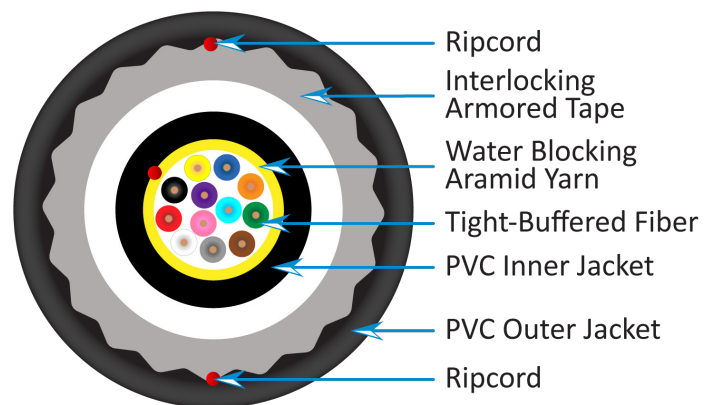
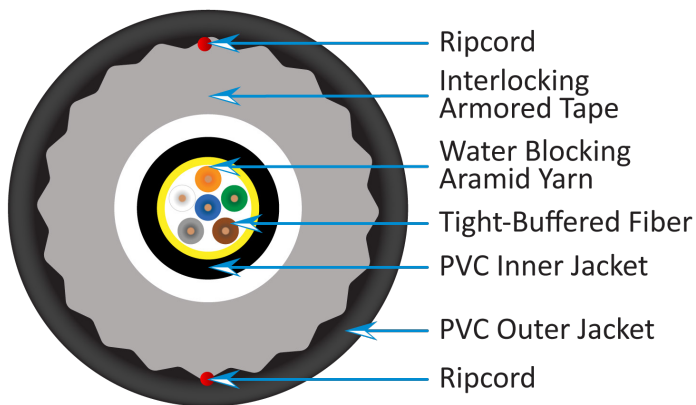
RoHS	Free of hazardous substances as defined by RoHS 2011/65/EU
IEC60794	Basic requirements and quality control for optical fiber and cable elements in accordance with IEC 60794
ANSI/ICEA S-87-640	Cable constructions meet the ANSI/ICEA S-87-640 standard as it is inherently covered through our compliance 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 & TUBING 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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