



# SINGLEMODE, LOOSE TUBE ALL-DIELECTRIC, NON-ARMORED Optical Fiber Cable — 6-96 FIBERS

## DESCRIPTION

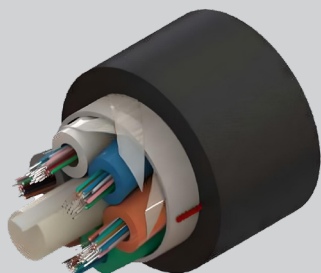
Singlemode Optical Fiber Cable –  
Loose Tube, Non-Armored, All-Dielectric,  
All-Dry, 6 - 96 Fibers.

## FEATURES

- All-dry (Gel-free)
- Loose Tube
- All-Dielectric
- Non-Armored
- Color-Coded Fibers
- UV Resistant
- Water Blocking

## APPLICATIONS

- Outside Plant Installations
- Duct Installations
- Air Blown Fiber
- Aerial Lashed



### PART NUMBERS — 6 - 96 FIBERS

281-NAR006/BK	6 Fibers, Singlemode, Loose Tube Non-Armored, Dry, Black
281-NAR012/BK	12 Fibers, Singlemode, Loose Tube Non-Armored, Dry, Black
281-NAR048/BK	48 Fibers, Singlemode, Loose Tube Non-Armored, Dry, Black
281-NAR096/BK	96 Fibers, Singlemode, Loose Tube Non-Armored, Dry, Black

### Transmission Performance

OFS® Fiber Type	G652.D
Max Attenuation	0.36/0.25 dB/km (maximum attenuation after cabling process)
Wavelengths	1310/1550 nm

### Construction

Fiber Color Coding per TIA-598-D	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Fiber Count per tube	6-12
Loose Tube Material	Polypropylene (PP)
Loose Tube Diameter	0.1 in. (2.5 mm)
Water Blocking Material	Water Swellable Yarn and Tape
Dielectric Central Strength Member	FRP (Fiber Reinforced Plastic)
Stripping Material	Ripcord x2
Outer Jacket Material	Polyethylene (PE)
Jacket Thickness	0.06 in. (1.5 mm)
Jacket Color	Black

### Jacket Printing\*\*\*

=1023 WAVEOPTICS OPTICAL CABLE= =SJADD= =PP= =(SYMBOL)= =G652.D=  
=(FIBER TYPE)= =XXXXFT= =12333=

### Standards and Certifications

ISO-9001:2015, Telcordia, GR-20, IEC 60794, ANSI/ICEA S-87-640

**VERTICAL CABLE**

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York

713.322.7242 Texas



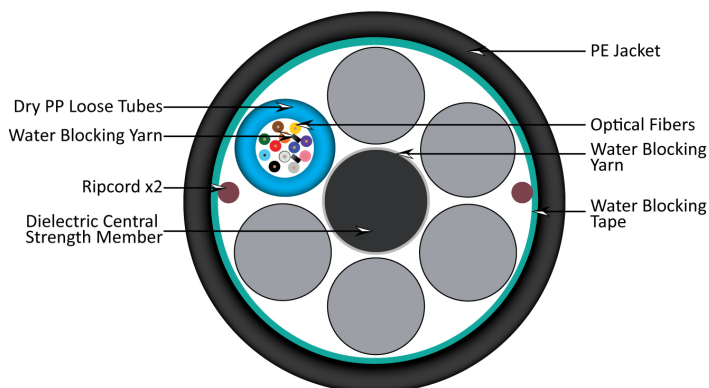
[www.verticalcable.com](http://www.verticalcable.com)

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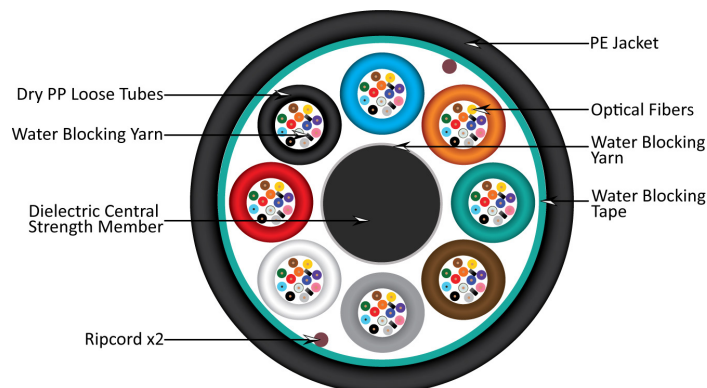
Specs subject to change without notice.  
It is the sole responsibility of the user to have the most current specs.

Installation Requirements — Mechanical & Environmental				
Fiber Count	6	12	48	96
Nominal Outer Diameter (+/- 5%)	0.44 in. (11.1 mm)	0.44 in. (11.1 mm)	0.44 in. (11.1 mm)	0.5 in. (12.7 mm)
Dielectric Central Strength Member Diameter (Without PE / With PE)	0.1 in. (2.6 mm)	0.1 in. (2.6 mm)	0.1 in. (2.6 mm)	0.12 / 0.17 in. (3 / 4.2mm)
Tensile Strength (N) (lbf) (Long-Term / Short Term)	890 / 2,700 (200/607)	890 / 2,700 (200/607)	890 / 2,700 (200/607)	890 / 2,700 (200/607)
Cable Weight (lb/kft) (kg/km) (±10%)	63 (94)	63 (94)	63 (94)	66 (99)
Loose Tube/Fillers	1/5	1/5	4/2	8/0
Crush Resistance (Short-Term/Long-Term)	2,200 N/100 mm / 1,100 N/100 mm			
Min. Bend Radius (Operation/Installation)	10 x cable O.D. / 20 x cable O.D.			
Temperature Range (Installation)	-30°C to 70°C (-22° F to 158° F)			

**12-FIBER**



**96-FIBER**



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