



SINGLEMODE, LOOSE TUBE ALL-DIELECTRIC, NON-ARMORED OPTICAL FIBER CABLE — 12, 96 FIBERS

DESCRIPTION

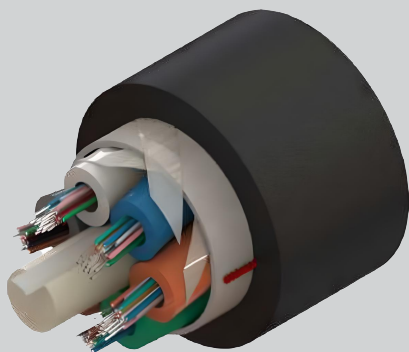
Singlemode Optical Fiber Cable –
Loose Tube, Non-Armored, All-Dielectric,
All-Dry, 12, 96 Fibers.

FEATURES

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

APPLICATIONS

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



PART NUMBERS — 12, 96 FIBERS

281-NAR012/BK	12 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
Maximum Attenuation	0.36/0.25 dB/km (maximum attenuation after cabling process)
Wavelength	1310/1550 nm

Installation Requirements — Mechanical & Environmental

Temperature Ratings	Storage: -40 °F to +158 °F (-40 °C to +70 °C) Installation: -22 °F to +158 °F (-30 °C to +70 °C) Operation: -40 °F to +158 °F (-40 °C to +70 °C)	
Minimum Bend Radius (Operation/Installation)	10 X Cable O.D. / 20 X Cable O.D.	
Crush Resistance (Short/Long-Term)	2,200 N/100 mm / 1,100 N/100 mm	
Fiber Count	12	96
Tensile Strength (N) (lbf) (Long/Short-Term)	890 / 2,700 (200/607)	890 / 2,700 (200/607)
Nominal Outer Dimensions (+/-5%)	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)	0.12 in. / 0.17 in. (3 mm / 4.2 mm)

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

Rev. 02/2025

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

Construction		
Fiber Count	12	96
Cable Weight Nom.	63 lb/kft (94 kg/km)	66 lb/kft (99 kg/km)
Fiber Color Coding per TIA-598-D	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua	
Fiber Count per Tube	12	
Loose Tube/ Fillers	1/5	8/0
Tube Color Coding per TIA-598-D	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua Blue*, Orange*, Green*, Brown*, Slate*, White*, Red*, Black**, Yellow*, Violet*, Rose*, Aqua*	
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	
Jacket Material	Polyethylene	
Jacket Thickness	0.06 in. (1.5 mm)	
Jacket Marking***	=10/23 WAVEOPTICS OPTICAL CABLE= =SJADD= =PP= =(SYMBOL)= =G652.D= =(FIBER TYPE)= =XXXXFT= =12333=	

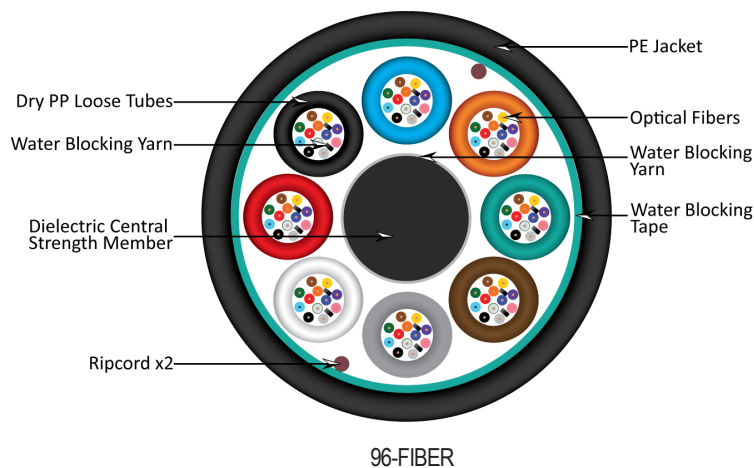
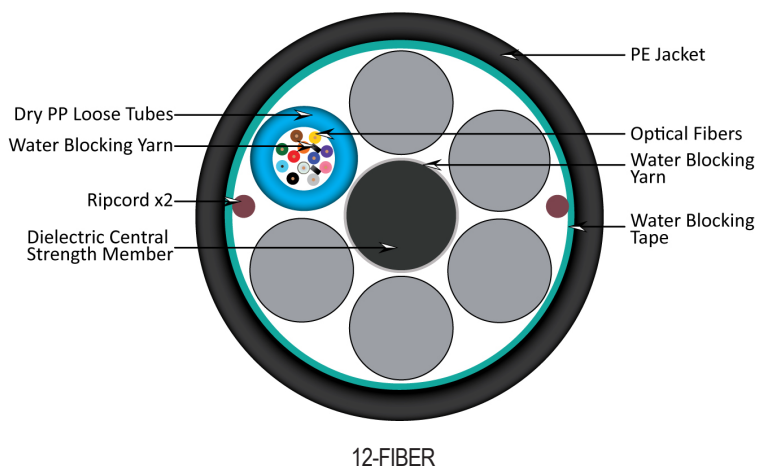
¹Tracer Color Coding:

*: Tube with black tracer

** : Tube with white tracer

***: Printed in white and resistant to physical tests on marking.

Marking interval: every 2 feet + 1% or 1 meter + 1%



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