

SINGLEMODE, LOOSE TUBE SINGLE JACKET, ARMORED OPTICAL FIBER CABLE — 12-288 FIBERS



DESCRIPTION

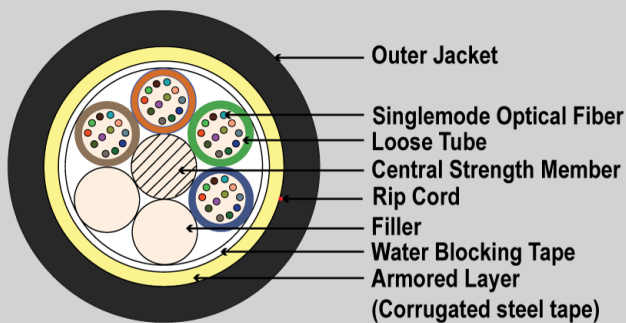
Outside Plant Loose Tube Optical Fiber Cable — 12-288 Fibers Single Armor, Singlemode

FEATURES

- All-dry (Gel-free)
- Loose Tube
- Armored
- Direct Burial
- Color-Coded Fibers

APPLICATIONS

- Outside Plant Installations
- Direct Burial
- Duct



(Representation of a standard 48 fiber construction)

PART NUMBERS — 12-288 FIBERS	
261-11916B	12 FIBERS LOOSE TUBE SINGLE-ARMORED
261-11918B	24 FIBERS LOOSE TUBE SINGLE-ARMORED
261-11920B	36 FIBERS LOOSE TUBE SINGLE-ARMORED
261-11922B	48 FIBERS LOOSE TUBE SINGLE-ARMORED
261-11924B	72 FIBERS LOOSE TUBE SINGLE-ARMORED
261-11926B	96 FIBERS LOOSE TUBE SINGLE-ARMORED
261-11928B	144 FIBERS LOOSE TUBE SINGLE-ARMORED
261-11930B	288 FIBERS LOOSE TUBE SINGLE-ARMORED

Transmission Performance	
Type of Fiber	ITU-T G.652.D
Mode Field Diameter	9.2±0.4 μm at 1310 nm
Maximum Attenuation	0.35 dB/km at 1310 nm
	0.35 dB/km at 1383 nm
	0.25 dB/km at 1550 nm

Installation Requirements — Mechanical & Environmental	
Temperature	Storage: -40 °F to +167 °F (-40 °C to +75 °C)
	Installation: -22 °F to +140 °F (-30 °C to +60 °C)
	Operation: -40 °F to +158 °F (-40 °C to +70 °C)
Min. Bend Radius	Loaded: 20 X Cable O.D.
	Unloaded: 10 X Cable O.D.
Tensile Strength	Installation: 2700 N (600 lbf) Long Term: 800 N (180 lbf)

Standards and Certifications
ITU-T G.650, IEC 60793, IEC 60794, RUS 7 CFR 1755, TELCORDIA GR-20, ISO 9001, ISO 14001, ANSI/TIA-568.3-D, TIA-598-D, OHSAS 18001



VERTICAL CABLE

800.749.2447 Florida
951.696.7772 California
845.391.8318 New York

www.verticalcable.com

Rev. 09/2020

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

Construction					
Fiber Count	12-72	84-96	108-144	192-216	240-288
Cable O.D. Nom.	0.46 in (11.7 mm)	0.52 in (13.4 mm)	0.64 in (16.3 mm)	0.66 in (16.8 mm)	0.76 in (19.3 mm)
Cable Weight Nom.	80 lb/kft (120 kg/km)	104 lb/kft (155 kg/km)	147 lb/kft (220 kg/km)	158 lb/kft (235 kg/km)	205 lb/kft (305 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				
Tube Count per Cable	6	8	12	18	24
Tube Color Coding ¹ 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*				
Tube Material	PBT(Polybutylene Terephthalate) or TPE(Thermal Poly Elastomer)				
Water Blocking Material	Water Swellable Yarn and Tape				
Central Strength Member	FRP (Fiber Reinforced Plastic)				
Stripping material	Ripcord				
Armoring material	Corrugated steel tape				
Jacket Material	Medium Density Polyethylene				

¹Tracer Color Coding:

*: Tube with black tracer

** : Tube with white tracer

