



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

## DESCRIPTION

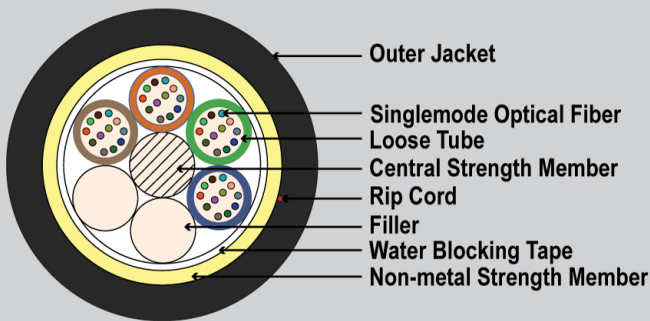
**All-Dielectric Outside Plant Loose Tube  
Optical Fiber Cable — 12-288 Fibers  
Non-Armored, Singlemode**

## FEATURES

- All-dry (Gel-free)
- Loose Tube
- All-Dielectric
- Non-Armored
- Color-Coded Fibers

## APPLICATIONS

- Outside Plant Installations
- Duct
- Aerial Lashed



(Representation of a standard 48 fiber construction)

PART NUMBERS — 12-288 FIBERS	
261-11900A	12 FIBERS LOOSE TUBE NON-ARMORED
261-11902A	24 FIBERS LOOSE TUBE NON-ARMORED
261-11904A	36 FIBERS LOOSE TUBE NON-ARMORED
261-11906A	48 FIBERS LOOSE TUBE NON-ARMORED
261-11908A	72 FIBERS LOOSE TUBE NON-ARMORED
261-11910A	96 FIBERS LOOSE TUBE NON-ARMORED
261-11912A	144 FIBERS LOOSE TUBE NON-ARMORED
261-11914A	288 FIBERS LOOSE TUBE NON-ARMORED

Transmission Performance	
Type of Fiber	ITU-T G.652.D
Mode Filled 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**

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

<b>Construction</b>					
Fiber Count	12-72	84-96	108-144	192-216	240-288
Cable O.D. Nom.	0.41 in (10.5 mm)	0.48 in (12.2 mm)	0.59 in (15.1 mm)	0.61 in (15.6 mm)	0.71 in (18.1 mm)
Cable Weight Nom.	50 lb/kft (75 kg/km)	70 lb/kft (105 kg/km)	107 lb/kft (160 kg/km)	107 lb/kft (160 kg/km)	145 lb/kft (215 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 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				
Jacket Material	Medium Density Polyethylene				

<sup>1</sup>Tracer Color Coding:

\*: Tube with black tracer

\*\* : Tube with white tracer

